

MASTECH®
PRECISION MASTECH ENTERPRISES (HONG KONG) LIMITED

<http://www.p-mastech.com>

PRECISION MASTECH ENTERPRISES (HONG KONG) LIMITED

Unit 1901, Yen Sheng Centre,
64 Hoi Yuen Road, Kwun Tong,
Kowloon, HONG KONG
Tel: +852-2343-0007
Fax: +852-2343-8217
Email: info@p-mastech.com
<http://www.p-mastech.com>

PRECISION MASTECH ENTERPRISES (TAIWAN) CORPORATION

3/F, No. 47, Chang-An E. Rd.,
Taipei, TAIWAN ROC
Tel: +886-2-2521-7079
Fax: +886-2-8192-7347
Email: info@p-mastech.com
<http://www.p-mastech.com>

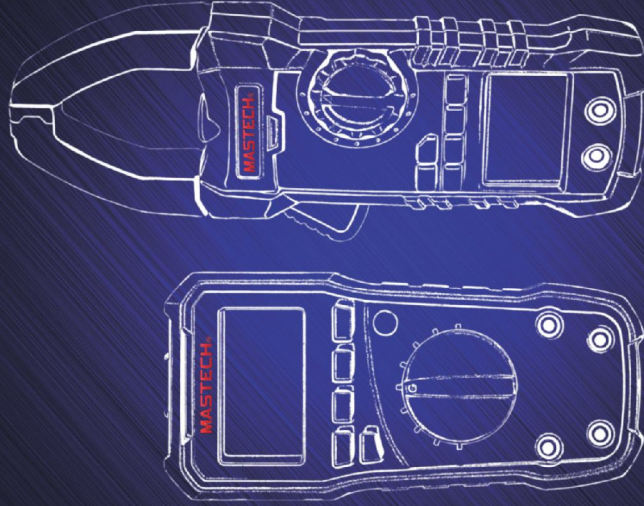
SHENZHEN HUAYI MASTECH COMPANY LIMITED

West 9/F, Block 3,
Saige Science Technology Industrial Garden,
Shenzhen, Guangdong, CHINA
Tel: +86-755-8376-6634
Fax: +86-755-8376-6610
Email: info@p-mastech.com
<http://www.p-mastech.com>

DONGGUAN HUAYI MASTECH COMPANY LIMITED

Yiliangwei Industrial Area, Dingxi,
Dongguan, Guangdong, CHINA
Tel: +86-769-8190-1688
Fax: +86-769-8190-1000
info@p-mastech.com
<http://www.p-mastech.com>

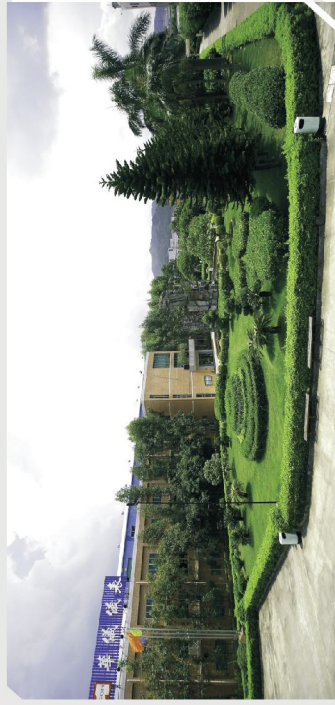
MASTECH®
PRECISION MASTECH ENTERPRISES (HONG KONG) LIMITED



2012

NEW PRODUCTS CATALOG
BUILT TO PRECISION

<http://www.p-mastech.com>



MASTECH founded in 1987, is the world's largest instrument manufacturer and the world's leading provider of electronic measuring instruments. One of the test instruments manufactured by MASTECH is a well-known brand in the world, with a long history of cooperation with major companies in Guangdong Province, who is the main center of the national standard.

Technology innovation is the source for developing MASTECH. MASTECH Engineering R & D Center is the industry's leading design institution. We have an abundance of high-quality corporate R & D personnel along with first-class sophisticated testing equipment and years of experienced design team. We have accumulated rich experience in the design of various types of precise, accurate and cost-effective technological products to meet customers' needs in the same time, technological innovation and outstanding ability to provide global customers with a better ODM product design services.

Annual capacity of 3.5 million sets of various types of modern instruments, good-style, large-scale production base is an important competitive advantage. The company has a total area of 1.5 million square meters and a production system - clean plant, Advanced automatic assembly debugging flow-through and flexible production lines, advanced SMT workshop, injection workshop, silk screen shop, UL table pen test line production workshop, mold design and processing centers, measuring and testing center, first-class production facilities with excellent environment and a huge capacity to provide a stable and reliable supply of products for customers. Enterprise and quality management is the core of our successful development of MASTECH. The company has a younger, better educated and more professional management team. MASTECH were the first in the industry with advanced ERP implementation of enterprise information management. From financial management, marketing, product development, manufacturing, logistics management and after-sales service and other aspects fully responsible for the company's business. The company also established the international certification body TÜV Rheinland and Certification of ISO9001 international quality standard management system. From supplier selection, incoming inspection to every aspect of production are strictly comply with international quality ADL inspection standard. MASTECH's strict compliance with PDCA and our continuous improvement cycle mode have attracted customers with quality products and meeting their demands.

With our rich product chain, our continuous effort to improve and upgrade are the most important means to win the market at MASTECH. MASTECH successfully markets different fields involving 200 kinds of products that have won widespread praise: We are in the mass production of digital multi-meter and clamp meter as well as electrical testing equipment, safety testing equipment, field instrumentation, equipment, network cable tester, intelligent vehicle detector and many other high-tech products. MASTECH's R & D and manufacturing are in strict compliance with International Electrotechnical Commission. We follow both safety standards and environmental standards and our products have received various certifications such as ETL CE certification, American UL ETL and German GS certification. MASTECH has laid a solid foundation and is gradually expanding to every corner of the global market.

Global marketing network and perfect after-sales service system is the driving force of the rapid development of MASTECH. After twenty years of unremitting efforts, MASTECH established more than 700 global strategic partners, selling products in more than one hundred countries and regions in the world. In China, MASTECH has more than 1000 service points, serving customers, and an annual growth of 30%. The products of MASTECH are not only the first choice of customers' first choice, but also instruments in the international market of China's famous brand.

EARTH RESISTANCE TESTERS

- ADVANCED EARTH RESISTANCE TESTER P13-14
- EARTH RESISTANCE CLAMP METER P15
- DIGITAL EARTH RESISTANCE TESTER P16

INSULATION TESTERS

- HIGH VOLTAGE DIGITAL INSULATION TESTER P17-18
- DIGITAL INSULATION TESTER P19
- MS5205 P20
- MS5201 P21

DIGITAL MULTIMETERS

- 5000 COUNTS AUTORANGING BENCH TOP MULTIMETER P22
- 22000 COUNTS AUTORANGING BENCH TOP MULTIMETER P23
- 4000 COUNTS AUTORANGING BENCH TOP MULTIMETER P24
- INSULATION MULTIMETER P25
- AUTORANGING DIGITAL MULTIMETER WITH LAN TESTER P26
- AUTORANGING DIGITAL MULTIMETER WITH LAN/PHONE TESTER P27
- AUTORANGING DIGITAL MULTIMETER WITH ENVIRONMENTAL TESTER P28
- AUTORANGING DIGITAL MULTIMETER WITH INFRARED THERMOMETER P28
- ADVANCED DIGITAL MULTIMETER P28
- MS8240B/MS8240D P29
- DIGITAL MULTIMETER P30
- MS8250A/MS8250B/MS8250C P31
- MS8260A/MS8260D/MS8260G P32
- MS8261/MS8265 P33
- MS8266/MS8269 P34
- MY60/MY161/MY162 P35
- MS8233A/MS8233C/MS8233E P36
- MS8221/MS8221D/MS8220B P37
- MS8230/MS8230B/MS8230L/MS8238 P38
- ADVANCED AUTORANGING DIGITAL MULTIMETER P39
- POCKET DIGITAL MULTIMETER P40
- M300 P40
- M320 P40
- RELATIVE AUTORANGING DIGITAL MULTIMETER WITH LCD DETECTOR P41
- MS8211 P41
- MS8211D P41

DIGITAL CLAMP METERS

- THREE PHASE DIGITAL POWER CLAMP METER P42
- HARMONIC POWER CLAMP METER P43
- MS2205 P44
- HIGH SENSITIVITY AC LEAKAGE CLAMP METER P45
- HIGH SENSITIVITY LEAKAGE CLAMP METER P46
- AC CLAMP METER P47
- MS2026/MS2026B P48
- AC/DC CLAMP METER P48
- AC MINI DIGITAL CLAMP METER P49
- AC/DC MINI-JAW CLAMP METER P50
- AC/DC MINI DIGITAL CLAMP METER P51
- MS210B/MS210BA P52
- AC CLAMP METER P52
- MS2015A/MS2015B P53
- MS215A/MS215B P53
- DIGITAL CLAMP METER P54
- MS2001/MS2001C/MS2101 P55
- MS266/MS266C/MS268 P56
- DIGITAL OPEN JAW CLAMP METER P56
- MS2600 P57
- CLAMP TRANSDUCER P57

INFRARED THERMOMETERS

- NON-CONTACT INFRARED THERMOMETER P58
- MS6540A/MS6540B P59
- MS6550A/MS6550B P60
- MS6520A/MS6520B/MS6520C P61
- NON-CONTACT INFRARED THERMOMETERS (BODY FOREHEAD) P61
- MS6518 P61

CIRCUIT TESTERS

- RC/LD/LOOP TESTER P62
- CIRCUIT ANALYZER P63
- MS5909 P64
- CIRCUIT BREAKER FINDER P64
- MS5902 P65
- MS6600D/MS6600C/MS6600B/MS6600E P65

ENVIRONMENTAL METERS

- MULTI-FUNCTIONS ENVIRONMENT TESTER P83
- MS6300/MS6300B P84
- MS6300 P84
- TEMPERATURE HUMIDITY METER P85
- DIGITAL THERMOMETER P85
- MS6511/MS6512/MS6513/MS6514 P86
- MS6701/MS6708 P87
- DIGITAL SOUND LEVEL METER P87
- DIGITAL SOUND LEVEL METER WITH TEMPERATURE & HUMIDITY P88
- MS6702 P88
- DIGITAL LIGHT METER P89
- MS6612 P89
- DIGITAL ANEMOMETER P89
- MS6252A/MS6252B P90
- DIGITAL TACHOMETER P91
- MS6208A/MS6208B P91
- ULTRASONIC DISTANCE METER P92
- MS6450 P92
- MOISTURE TESTER P93
- MS6900 P93
- COMBUSTIBLE GAS DETECTOR P94
- MS6310 P94
- CARBON MONOXIDE (CO) DETECTOR P95
- MS8311 P95
- pH METER P95
- MS6903 P95
- ELECTRONIC STD METAL FINDER P97
- MS6906 P97
- MS6908 P97
- PITOT TUBE ANEMOMETER + DIFFERENTIAL MANOMETER P98
- MS6302 P98

PROCESS CALIBRATORS

- 4000 COUNTS MULTI-FUNCTIONS PROCESS CALIBRATOR P86
- THERMOCOUPLE CALIBRATOR P87
- VOLTAGE/MA CALIBRATOR P87
- RTD CALIBRATOR (RESISTANCE TEMPERATURE DETECTOR) P88
- MS7222 P89
- MULTI-FUNCTIONS PROCESS CALIBRATOR P89
- MS7282 P90
- LOOP CALIBRATOR P90
- MS7207 P90
- MULTI-FUNCTIONS LOOP CALIBRATOR P91
- MS7287 P91

LCR METERS

- DIGITAL CAPACITANCE METER P72
- MY6013A P72
- DIGITAL C.L. METER P72
- MY6243 P72
- AUTORANGING DIGITAL LCR TESTER P73
- MS5308 P73

ELECTRICAL TESTERS

- VOLTAGE CONTINUITY TESTER P74
- MS8906 P74
- THREE PHASE ROTATION INDICATOR P75
- MS5600 P75
- DIGITAL SMD TESTER P76
- MS8910 P76
- AC VOLTAGE & METAL DETECTOR P77
- MS8902A/MS8902B P77
- AC VOLTAGE DETECTOR P78
- MS8900 P78

WIRE TESTERS

- ADVANCED WIRE TRACKER P79-80
- MS6616 P79-80
- MULTI-FUNCTIONS CABLE TRACKER P81
- MS6613 P81
- NETWORK CABLE TESTER P82
- MS6610/MS6611 P82
- CABLE TRACKER P82
- MS6612 P82

DC POWER SUPPLIES

- MS100A/MS100B P100
- MS312/MS318/MS319 P100

ACCESSORIES

- TEST LEADS P107
- T30097/T3009C/T3016/T3016C P107
- T30080/T30080C/T3083 P108

DIGITAL CLAMP METER LIST

Part No.	Model	P42	P43	P44	P45	P46	P47	P48	P49	P50	P51
Part No.	MS2200	MS2205	MS2206	MS2006	MS2007	MS2008	MS2009	MS2138	MS200A	MS200B	MS2107
Model	MS2200	MS2205	MS2206	MS2006	MS2007	MS2008	MS2009	MS2138	MS200A	MS200B	MS2107
DC Voltage	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V
AC Voltage	1000V	1000V	200V	60V	150V	600V	600V	600V	600V	600V	600V
DC Current	1000A	1000A	200A	80A	150A	600A	600A	600A	600A	600A	600A
AC Current	400A	400A	400A	40A	40A	40A	40A	40A	40A	40A	40A
Resistance	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ
Capacitance	4000µF	4000µF	4000µF	4000µF	4000µF	4000µF	4000µF	4000µF	4000µF	4000µF	4000µF
Frequency (From Clamp)	10kHz	1kHz	1kHz	1kHz	1kHz	1kHz	1kHz	1kHz	1kHz	1kHz	1kHz
Frequency (From Plug)	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz
Duty Cycle	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Insulation Test	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Thermocouple	1000°C	1332°F	1000°C	1332°F	1000°C	1332°F	1000°C	1332°F	1000°C	1332°F	1000°C
Inrush Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Active Power (VA)	600W	600W	1200W	600W	600W	600W	600W	600W	600W	600W	600W
Apparent Power (VA)	600VA	600VA	1200VA	600VA	600VA	600VA	600VA	600VA	600VA	600VA	600VA
Reactive Power (VAR)	600VAR	600VAR	1200VAR	600VAR	600VAR	600VAR	600VAR	600VAR	600VAR	600VAR	600VAR
Power Factor (PF)	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1
Active Energy (Wh)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Harmonic Measurement	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Display counts	9999	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
Jaw Opening	φ50mm/2"φ59mm/2.3"	φ50mm/2"φ59mm/2.3"	φ50mm/2"φ59mm/2.3"	φ50mm/2"φ59mm/2.3"	φ50mm/2"φ59mm/2.3"	φ50mm/2"φ59mm/2.3"	φ50mm/2"φ59mm/2.3"	φ50mm/2"φ59mm/2.3"	φ50mm/2"φ59mm/2.3"	φ50mm/2"φ59mm/2.3"	φ50mm/2"φ59mm/2.3"
Auto Ranging	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
True RMS (LFP)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Low Pass Filter	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Relative Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Continuity Buzzer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MAX/MIN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Logging	28 groups/100 groups	28 groups/100 groups	28 groups/100 groups	28 groups/100 groups	28 groups/100 groups	28 groups/100 groups	28 groups/100 groups	28 groups/100 groups	28 groups/100 groups	28 groups/100 groups	28 groups/100 groups
Data Hold	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Work Light	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Display Backlight	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NCV	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Interface	USB	RS232	USB	RS232	USB	RS232	USB	RS232	USB	RS232	USB
Category	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III
	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V
	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE
	ETL	ETL	ETL	ETL	ETL	ETL	ETL	ETL	ETL	ETL	ETL

DIGITAL CLAMP METER LIST

Part No.	Model	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60
Part No.	MS2104	MS2154	MS2159	MS2154	MS2159	MS2154	MS2159	MS2154	MS2159	MS2154	MS2159
Model	MS2104	MS2154	MS2159	MS2154	MS2159	MS2154	MS2159	MS2154	MS2159	MS2154	MS2159
DC Voltage	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V
AC Voltage	750V	750V	750V	750V	750V	750V	750V	750V	750V	750V	750V
DC Current	400A	400A	400A	400A	400A	400A	400A	400A	400A	400A	400A
AC Current	400A	1000A	1000A	1000A	1000A	1000A	1000A	1000A	1000A	1000A	1000A
Resistance	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ	40kΩ
Capacitance	4000µF	4000µF	4000µF	4000µF	4000µF	4000µF	4000µF	4000µF	4000µF	4000µF	4000µF
Frequency (From Clamp)	10kHz	10kHz	10kHz	10kHz	10kHz	10kHz	10kHz	10kHz	10kHz	10kHz	10kHz
Frequency (From Plug)	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz
Duty Cycle	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Insulation Test	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Thermocouple	1000°C	1332°F	1000°C	1332°F	1000°C	1332°F	1000°C	1332°F	1000°C	1332°F	1000°C
Inrush Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Active Power (VA)	600W	600W	600W	600W	600W	600W	600W	600W	600W	600W	600W
Apparent Power (VA)	600VA	600VA	600VA	600VA	600VA	600VA	600VA	600VA	600VA	600VA	600VA
Reactive Power (VAR)	600VAR	600VAR	600VAR	600VAR	600VAR	600VAR	600VAR	600VAR	600VAR	600VAR	600VAR
Power Factor (PF)	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1	0.3-1
Active Energy (Wh)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Harmonic Measurement	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Display counts	4000	5000	6000	5000	6000	5000	6000	5000	6000	5000	6000
Jaw Opening	φ25mm/1"φ30mm/1.2"	φ40mm/1.6"	φ40mm/1.6"	φ40mm/1.6"	φ40mm/1.6"	φ40mm/1.6"	φ40mm/1.6"	φ40mm/1.6"	φ40mm/1.6"	φ40mm/1.6"	φ40mm/1.6"
Auto Ranging	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
True RMS (LFP)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Low Pass Filter	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Relative Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Continuity Buzzer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MAX/MIN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Logging	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Hold	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Work Light	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Display Backlight	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NCV	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Interface	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III	CAT.III
Category	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V
	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE
	ETL	ETL	ETL	ETL	ETL	ETL	ETL	ETL	ETL	ETL	ETL

INFRARED THERMOMETER LIST

									
Page MS550A	Page MS550B	Page MS550C	Page MS550D	Page MS550E	Page MS550F	Page MS550G	Page MS550H	Page MS550I	Page MS550J
Model MS550A	Model MS550B	Model MS550C	Model MS550D	Model MS550E	Model MS550F	Model MS550G	Model MS550H	Model MS550I	Model MS550J
Resistance Range -32°C~560°C -25°F~1042°F	Resistance Range -32°C~1200°C -25°F~2192°F	Resistance Range -32°C~1200°C -25°F~2192°F	Resistance Range -20°C~500°C -4°F~932°F	Resistance Range -20°C~500°C -4°F~932°F	Resistance Range -20°C~500°C -4°F~932°F	Resistance Range -20°C~500°C -4°F~932°F	Resistance Range -20°C~500°C -4°F~932°F	Resistance Range -20°C~500°C -4°F~932°F	Resistance Range -20°C~500°C -4°F~932°F
Temperature Range (Body) +0.1°C/+0.1°F ±0.5°C/±0.9°F	Temperature Range (Body) +0.1°C/+0.1°F ±0.5°C/±0.9°F	Temperature Range (Body) +0.1°C/+0.1°F ±0.5°C/±0.9°F	Temperature Range (Body) +0.1°C/+0.1°F ±0.5°C/±0.9°F	Temperature Range (Body) +0.1°C/+0.1°F ±0.5°C/±0.9°F	Temperature Range (Body) +0.1°C/+0.1°F ±0.5°C/±0.9°F	Temperature Range (Body) +0.1°C/+0.1°F ±0.5°C/±0.9°F	Temperature Range (Body) +0.1°C/+0.1°F ±0.5°C/±0.9°F	Temperature Range (Body) +0.1°C/+0.1°F ±0.5°C/±0.9°F	Temperature Range (Body) +0.1°C/+0.1°F ±0.5°C/±0.9°F
Resolution ±0.1°C ±0.5°F	Resolution ±0.1°C ±0.5°F	Resolution ±0.1°C ±0.5°F	Resolution ±0.1°C ±0.5°F	Resolution ±0.1°C ±0.5°F	Resolution ±0.1°C ±0.5°F	Resolution ±0.1°C ±0.5°F	Resolution ±0.1°C ±0.5°F	Resolution ±0.1°C ±0.5°F	Resolution ±0.1°C ±0.5°F
Distance to Spot 30:1	Distance to Spot 30:1	Distance to Spot 30:1	Distance to Spot 10:1	Distance to Spot 10:1	Distance to Spot 10:1	Distance to Spot 10:1	Distance to Spot 10:1	Distance to Spot 10:1	Distance to Spot 10:1
°C/F Selection ✓	°C/F Selection ✓	°C/F Selection ✓	°C/F Selection ✓	°C/F Selection ✓	°C/F Selection ✓	°C/F Selection ✓	°C/F Selection ✓	°C/F Selection ✓	°C/F Selection ✓
Emissivity 0.10~1.00	Emissivity 0.10~1.00	Emissivity 0.10~1.00	Emissivity 0.10~1.00	Emissivity 0.10~1.00	Emissivity 0.10~1.00	Emissivity 0.10~1.00	Emissivity 0.10~1.00	Emissivity 0.10~1.00	Emissivity 0.10~1.00
Response Time 500ms	Response Time 500ms	Response Time 500ms	Response Time 1 second	Response Time 1 second	Response Time 1 second	Response Time 1 second	Response Time 1 second	Response Time 1 second	Response Time 1 second
Laser Pointer ✓	Laser Pointer ✓	Laser Pointer ✓	Laser Pointer ✓	Laser Pointer ✓	Laser Pointer ✓	Laser Pointer ✓	Laser Pointer ✓	Laser Pointer ✓	Laser Pointer ✓
Data Logging 100 groups	Data Logging 100 groups	Data Logging 100 groups	Data Logging 100 groups	Data Logging 100 groups	Data Logging 100 groups	Data Logging 100 groups	Data Logging 100 groups	Data Logging 100 groups	Data Logging 100 groups
Recalling Mode ✓	Recalling Mode ✓	Recalling Mode ✓	Recalling Mode ✓	Recalling Mode ✓	Recalling Mode ✓	Recalling Mode ✓	Recalling Mode ✓	Recalling Mode ✓	Recalling Mode ✓
MAX/MIN/AVG ✓	MAX/MIN/AVG ✓	MAX/MIN/AVG ✓	MAX/MIN/AVG ✓	MAX/MIN/AVG ✓	MAX/MIN/AVG ✓	MAX/MIN/AVG ✓	MAX/MIN/AVG ✓	MAX/MIN/AVG ✓	MAX/MIN/AVG ✓
Backlight ✓	Backlight ✓	Backlight ✓	Backlight ✓	Backlight ✓	Backlight ✓	Backlight ✓	Backlight ✓	Backlight ✓	Backlight ✓
Low Battery Display ✓	Low Battery Display ✓	Low Battery Display ✓	Low Battery Display ✓	Low Battery Display ✓	Low Battery Display ✓	Low Battery Display ✓	Low Battery Display ✓	Low Battery Display ✓	Low Battery Display ✓
K-TYPE Temperature Interface USB	K-TYPE Temperature Interface USB	K-TYPE Temperature Interface USB	K-TYPE Temperature Interface USB	K-TYPE Temperature Interface USB	K-TYPE Temperature Interface USB	K-TYPE Temperature Interface USB	K-TYPE Temperature Interface USB	K-TYPE Temperature Interface USB	K-TYPE Temperature Interface USB
Category CE	Category CE	Category CE	Category CE	Category CE	Category CE	Category CE	Category CE	Category CE	Category CE

INSULATION TESTER

			
Page MS215	Page MS205	Page MS203	Page MS201
Model MS215	Model MS205	Model MS203	Model MS201
Resistance Measurement 0.01MΩ~3TΩ	Resistance Measurement 0.01MΩ~100GΩ	Resistance Measurement 0.01MΩ~10GΩ	Resistance Measurement 0.01MΩ~25GΩ
Voltage 5kV DC	Voltage 2.5kV DC	Voltage 2.5kV DC	Voltage 1kV DC
Leakage Current 1.00mA~3.00mA	Leakage Current 1.00mA~3.00mA	Leakage Current 1.00mA~3.00mA	Leakage Current 1.00mA~3.00mA
Tests 1000V 3mA	Tests 1000V 3mA	Tests 1000V 3mA	Tests 1000V 1.8mA
Voltage Tests 70.0°C	Voltage Tests 70.0°C	Voltage Tests 70.0°C	Voltage Tests 70.0°C
Short Current Tests USB	Short Current Tests CAT.III	Short Current Tests CAT.III	Short Current Tests CAT.III
Interface CAT.III 1000V CE	Interface CAT.III 1000V CE	Interface CAT.III 1000V CE	Interface CAT.III 1000V CE
Category CE	Category CE	Category CE	Category CE

EARTH RESISTANCE TESTER

					
Page MS201B	Page MS201	Page MS206	Page MS207	Page MS208	Page MS202
Model MS201B	Model MS201	Model MS206	Model MS207	Model MS208	Model MS202
Resistance Measurement 0.02Ω~300kΩ	Resistance Measurement 0.01Ω~120kΩ	Resistance Measurement 0.02Ω~30kΩ	Resistance Measurement 0.02Ω~30kΩ	Resistance Measurement 0.01Ω~400kΩ	Resistance Measurement 0.01Ω~400kΩ
Voltage DC:20V	Voltage DC:20V	Voltage AC:20V/48V	Voltage AC:20V/48V	Voltage AC:20V	Voltage AC:20V
Interface USB	Interface USB	Interface CAT.III	Interface CAT.III	Interface CAT.III	Interface CAT.III
Category 300V CE	Category 300V CE	Category 300V CE	Category 300V CE	Category 300V CE	Category 300V CE

CIRCUIT TESTER

			
Page MS902	Page MS850	Page MS808	Page MS810
Model MS902	Model MS850	Model MS808	Model MS810
Breaker Finding Tests ✓	Breaker Finding Tests ✓	Breaker Finding Tests ✓	Breaker Finding Tests ✓
Socket Tests ✓	Socket Tests ✓	Socket Tests ✓	Socket Tests ✓
Circuit Voltage Measurement ✓	Circuit Voltage Measurement ✓	Circuit Voltage Measurement ✓	Circuit Voltage Measurement ✓
RCD Mode ✓	RCD Mode ✓	RCD Mode ✓	RCD Mode ✓
GFCI Mode ✓	GFCI Mode ✓	GFCI Mode ✓	GFCI Mode ✓
Loop Tests ✓	Loop Tests ✓	Loop Tests ✓	Loop Tests ✓
Interface CAT.III 600V CE	Interface CAT.III 600V CE	Interface CAT.III 600V CE	Interface CAT.III 300V CE
Category CE	Category CE	Category CE	Category CE


PROCESS CALIBRATOR

							
Page	PR6	PR7	PR8	PR9	P70	P71	P71
Model	MS7212	MS7220	MS7221	MS7222	MS7282	MS7207	MS7287
DC Voltage	300V	100mV	100mV	1000V	28V	1000V	1000V
AC Voltage	400mA	24mA	400mA	400mA	20mA	700V	700V
DC Current	400mA	400mA	400mA	400mA	20mA	700V	700V
AC Current	400mA	400mA	400mA	400mA	20mA	700V	700V
Resistance	400kΩ	400kΩ	400kΩ	400kΩ	400kΩ	400kΩ	400kΩ
Temperature	0Ω - 3200Ω						
Detecting							
Frequency	30MHz				5MHz		20MHz
Capacitance	1800°C				200µF		
Temperature	327.2°C						
Temp. Simulation	1800°C						
Simulation	327.2°F						
DC Voltage Output	15V	100mV					
DC Current Output	25mA	24mA			20mA		20mA/24mA
Frequency Output	5000Hz				10kHz		
Interface	USB						
Category	CAT.II	CE	CE	CE	CAT.II	CAT.III	CAT.III
	600V				1000V	500V	1000V
	CE				CE	CE	CE

ELECTRICAL TESTERS

					
Page	P76	P77	P77	P76	P7A
Model	MS610	MS6902A	MS6902B	MS6500	MS6906
Voltage Tests					12V - 600V AC/DC
Resistance	30kΩ				
Continuity Check	✓				✓
Capacitance	30mF				
AC Voltage Polarity	✓	✓			
Searchable Sensitivity		✓			
Metal Detector		✓			
Three Phase Power Indicator				✓	
Category	CE	CAT.III	CAT.III	CAT.III	CAT.III
		600V	600V	300V	600V
		CE	CE	CE	CE
			ETL		ETL

WIRE TESTERS

				
Page	PR2	PR2	PR1	P79-PR1
Model	MS610	MS6811	MS6812	MS6818
Testing Coaxial Cable (BNC)	✓		✓	✓
Cable (BNC)	✓		✓	✓
Lan Test	✓		✓	✓
Tone	✓		✓	✓
Phone Check	✓		✓	✓
Continuity Test	✓		✓	✓
Cable Tracker	✓		✓	✓
Break Point Finder (in the wall or earth)	✓		✓	✓
Sensitivity of receiver can be adjusted	✓		✓	✓
Category	CE	CE	CE	CAT.III 400V CE



LOR METERS

			
Page	P73	P72	P72
Model	MS6308	MY6243	MY6243
Inductance	0.00µH - 2000H	1µH - 2H	1µH - 2H
Capacitance	0.01pF - 20.00mF	1pF - 200µF	1pF - 200µF
Resistance	0.01Ω - 200.00MΩ		
Certificate	CE	CE	CE



ENVIRONMENTAL METERS

				
Page Model Illumination Sound Level Temperature Humidity Anemometer Altimeter Pressure Global Position System CO2 Interface Certificate	MS5306 5000Lux 130dB 50°C/122°F 10%RH~90%RH 0.25m/s~15m/s 0kPa~40kPa	MS5306 5000Lux 130dB 50°C/122°F 10%RH~90%RH 0.25m/s~15m/s 0kPa~40kPa	MS5306 5000Lux 130dB 50°C/122°F 10%RH~90%RH 0.25m/s~15m/s 0kPa~40kPa	MS5306 5000Lux 130dB 50°C/122°F 10%RH~90%RH 0.25m/s~15m/s 0kPa~40kPa



ULTRASONIC DISTANCE METER

	
Page Model Range Resolution Laser pointer Certificate	MS450 0.6m~15m (2feet~50feet) 0.01m(1 inch) ✓ CE

MOISTURE TESTER

	
Page Model Moisture Range Temperature Humidity Certificate	MS690 0~90% 50°C/122°F 0~100%RH CE

pH METER

	
Page Model Range Resolution Temperature Data Logging Certificate	MS690 0~14.00pH 0.01pH 60°C/140°F 30 groups CE

GAS DETECTOR

		
Page Model Combustibles Gas Detector Carbon Monoxide (CO) Detector Response Time Data Logging Certificate	MS8310 ✓ 2 seconds 10 groups CE	MS8311 ✓ 2 seconds 10 groups CE

DIGITAL SOUND LEVEL METERS

		
Page Model Range Data Logging Audible Output Temperature Humidity Interface Certificate	MS5701 30dB~130dB 16000 ✓ 60°C/140°F 10%~90%RH USB CE	MS5702 30dB~130dB 30dB~130dB ✓ 60°C/140°F 10%~90%RH CE

DIGITAL LIGHT METER

	
Page Model Range Resolution Certificate	MS612 20000Lux 0.01Lux/0.01FC CE



DIGITAL THERMOMETER

				
Page Model Thermocouple Type Channel Range Data Logging Interface Certificate	MS511 Single 1767°C/3212°F 1000 groups USB CE	MS512 Dual 1767°C/3212°F 1000 groups USB CE	MS514 K, J, T, E, R, S, N Single 1767°C/3212°F 1000 groups USB CE	MS514 K, J, T, E, R, S, N Dual 1767°C/3212°F 1000 groups USB CE



DIGITAL ANEMOMETER

	
Page Model Air Velocity Air Flow Area Setting Temperature Humidity Interface Certificate	MS262A 0.40m/s~30m/s ✓ 60°C/140°F 0%~100%RH USB CE

DIGITAL TACHOMETER

	
Page Model Contact Measurement Non-Contact Measurement (Photo) Data Logging Certificate	MS208A 50~1999RPM 100 groups CE

PITOT TUBE ANEMOMETER-DIFFERENTIAL MANOMETER

	
Page Model Pressure Range Air Velocity Air Flow Temperature Data Logging Interface Certificate	MS302 500OPa 1~800m/s ✓ 50°C/122°F 99 groups USB CE

ELECTRONIC STUD METAL FINDER

	
Page Model Stud Detecting Depth Metal Pipe Detecting Depth AC Voltage Detecting Depth Socket Tests GFCI Certificate	MS606 30mm 50mm 75mm CAT.II 600V CE CAT.II 600V CE

MASTECH®

EARTH RESISTANCE TESTERS

MS2308/MS2307/MS2306

ADVANCED EARTH RESISTANCE TESTER

MS2308



13

EARTH RESISTANCE TESTERS

MS2308/MS2307/MS2306

ADVANCED EARTH RESISTANCE TESTER

EMC LVD



Specifications

Measurement Mode	MS2308	MS2307	MS2306
3 Pole & 4 Pole	Measuring Voltage: AC20~48V Measuring Frequency: 94Hz, 105Hz, 111Hz, 128Hz Measuring Range: 0.02Ω~300KΩ ±(5%+5) 0.1Ω~20KΩ ±(5%+5)	0.1Ω~30KΩ ±(5%+5) 0.1Ω~20KΩ ±(5%+5)	0.1Ω~30KΩ ±(5%+5) 0.1Ω~20KΩ ±(5%+5)
3 Pole & 4 Pole With Current Clamp	Measuring Voltage: AC20~48V Measuring Frequency: 94Hz, 105Hz, 111Hz, 128Hz Measuring Range: 0.02Ω~10.99KΩ ±(5%+5)	0.1Ω~10KΩ ±(5%+5)	0.1Ω~10KΩ ±(5%+5)
Double Clamps	Measuring Voltage: AC48V Measuring Frequency: 94Hz, 105Hz, 111Hz, 128Hz Measuring Range: 0.02Ω~140Ω ±(10%+5)	0.1Ω~140Ω ±(10%+5)	0.1Ω~140Ω ±(10%+5)
R-2 Pole	Measuring Voltage: AC20V Measuring Frequency: 94Hz, 105Hz, 111Hz, 128Hz Measuring Range: 0.02Ω~300KΩ ±(5%+5)	0.1Ω~30KΩ ±(5%+5)	0.1Ω~30KΩ ±(5%+5)
R-2/4 Pole	Measuring Voltage: DC20V Measuring Range: 0.02Ω~3KΩ ±(5%+5)	0.02Ω~3KΩ ±(5%+5)	0.02Ω~3KΩ ±(5%+5)
RK (Compensation Measurement For Wire Resistance)	Measuring Voltage: AC20~48V, DC20V Measuring Frequency: 94Hz, 105Hz, 111Hz, 128Hz Measuring Range: 0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
Short Circuit Current: Soil Resistivity	Measuring Voltage: AC20V/48V Measuring Frequency: 94Hz, 105Hz, 111Hz, 128Hz Measuring Range: 0.02Ω~1000KΩ ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
Measuring Noise Voltage Range: ±1V~±50VDC/AC ±(5%+5)	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
Measuring Noise Frequency Range: 16Hz~400Hz ±(1%+2)	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
Measuring Noise Current Range: 20mA~2A ±(5%+5)	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
USB2.0 Interface	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
Data Storage	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
Power Supply	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
100 Groups Measurement Can Be Memorized	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
LR14X6 Voltage 3V	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
Recharge Battery: Ni-MH Recharge Battery, 7.2V	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
Charge: Input voltage: 100V~240V; Frequency: 50Hz~60Hz; Output Voltage: 12VDC 3A	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
LCD Display, With Back Light, Max 9999	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
Product Size	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
230mm × 125mm × 284mm	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
Product Weight	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
Approx.2.5kg	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
5.51lb	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
Approx.2.5kg	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)
5.51lb	0.02Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)	0.1Ω~28.99Ω ±(5%+5)

14

MASTECH®

MS2301



EARTH RESISTANCE TESTERS

MS2301

EARTH RESISTANCE CLAMP METER



EMC LVD

Specifications	Range	Accuracy	Resolution
Measuring Resistance	0.01 Ω - 0.999 Ω	±(1.5%+0.01 Ω)	0.001 Ω
	1.0 Ω - 99.9 Ω	±(1.5%+0.1 Ω)	0.01 Ω
	100 Ω - 999 Ω	±(2.0%+0.3 Ω)	0.1 Ω
	100 Ω - 199.9 Ω	±(3.0%+1 Ω)	1 Ω
	200 Ω - 499 Ω	±(8.0%+5 Ω)	5 Ω
Measuring Resistance	600 Ω - 600 Ω	±(10%+10 Ω)	10 Ω
	600 Ω - 1200 Ω	Approx. 20%	20 Ω
	100mA	±(2.5%+2mA)	0.1 mA
	300mA	±(2.5%+20mA)	0.3 mA
	1A	±(2.5%+0.035A)	0.01 A
Measuring Resistance	3A	±(2.5%+0.07A)	0.003 A
	10A	±(2.5%+0.03A)	0.01 A
	20A	±(2.5%+0.03A)	0.03 A

Features
Auto Ranging
Auto Opening And Recall 99 groups
Data Logging And Recall 99 groups
Alarm Limit Setting
LED
Data Hold

General
Power Supply
Product Size
Category

15

EARTH RESISTANCE TESTERS

MS2302

DIGITAL EARTH RESISTANCE TESTER

MS2302



Specifications	Measuring Range	Accuracy	Resolution
Earth Ground Resistance	0 Ω - 29.99 Ω	±(1%+2)	0.01 Ω
	30 Ω - 99.9 Ω	±(3%+2)	0.1 Ω
	100 Ω - 999 Ω	±(3%+2)	1 Ω
Measuring Voltage	1.00kV - 4.00kV	±(3%+2)	10 Ω
	0V - 20.0V (50 - 60Hz)	±(1%+5)	0.1V

Features
Digital Display & Analog Bars Display
2 Pole and 3 Pole Mode
Earth Resistance By Constant Current Inverter 800Hz/3mA
MAX/MIN/AVG/REL Measurement Functions
Data Logging - 100 group Measured Values can be Memorized
Low Battery Display
Display Backlight

General
Power Supply
Product Size
Product Weight
Category



EMC LVD

16

MASTECH®

INSULATION TESTERS
MS5215

HIGH VOLTAGE DIGITAL INSULATION TESTER



MS5215

INSULATION TESTERS
MS5215

HIGH VOLTAGE DIGITAL INSULATION TESTER



MASTECH®

Insulation Testing	
Overstating Voltage	Accuracy
250V DC	0.01MΩ - 2.5GΩ ± (5% + 5) ± (20% + 10)
500V DC	2.51GΩ - 50GΩ ± (5% + 5) ± (20% + 10)
1000V DC	5.01GΩ - 500GΩ ± (5% + 5) ± (20% + 10)
2.5 KV DC	10.1GΩ - 500GΩ ± (5% + 5) ± (20% + 10)
5 KV DC	50.1GΩ - 500GΩ ± (5% + 5) ± (20% + 10)
10 KV DC	100.1GΩ - 500GΩ ± (5% + 5) ± (20% + 10)
50 KV DC	500.1GΩ - 500GΩ ± (5% + 5) ± (20% + 10)
100 KV DC	1000.1GΩ - 500GΩ ± (5% + 5) ± (20% + 10)
500 KV DC	5000.1GΩ - 500GΩ ± (5% + 5) ± (20% + 10)
1000 KV DC	10000.1GΩ - 500GΩ ± (5% + 5) ± (20% + 10)
Leakage Current Testing	
Range	Accuracy
10nA	1.000nA - 9.997nA ± (1.5% + 10nA)
100nA	9.00nA - 99.99nA ± (1.5% + 5)
1000nA	100.0nA - 999.9nA ± (2.5% + 5)
10μA	0.900μA - 9.991μA ± (2.5% + 5)
100μA	9.00μA - 99.90μA ± (2.5% + 5)
1000μA	90.0μA - 999.0μA ± (2.5% + 5)
3mA	0.90mA - 3.00mA ± (2.5% + 5)
Voltage Testing	
Measuring Mode	AC Voltage
Measuring Range	±100V to 1000V 500V to 750V (50Hz to 60Hz)
Accuracy	± (5% + 5)
Input Impedance	Approx. 10MΩ
Temperature Testing	
Measuring Range	Accuracy
-10°C to 0.1°C	± 1.5°C
0.0°C to 40°C	± 1.0°C
40.1°C to 70°C	± 1.5°C
General	
Power Supply	LiFe Battery x 6, or Rechargeable Battery Ni-MH 7.2V (Charger Input Voltage 100V - 240V)
Product Size	284mm x 230mm x 125mm / 11.2" x 9.1" x 4.9"
Product Weight	2500g / 5.5lb
Category	CE CAT.III 1000V

MASTECH®

INSULATION TESTERS

MS5205

DIGITAL INSULATION TESTER

MS5205



Insulation Tests	
Source Output Voltage	Measuring Range
250V (0%~+20%)	0.01MΩ~250MΩ ±3%
500V (0%~+20%)	0.01MΩ~500MΩ ±3%
1000V (0%~+20%)	0.01MΩ~1000MΩ ±3%
	1.00GΩ~5.00GΩ ±5%
	5.00GΩ~10.00GΩ ±10%
2500V (0%~+20%)	0.1MΩ~2.00GΩ ±3%
	2.00GΩ~20.00GΩ ±5%
	20.0GΩ~100.0GΩ ±10%
Short circuit current	2mA
Multimeter Functions	
DC Voltage Test	Measuring Range
	0.1V~1000V ±0.5%
AC Voltage Test	Measuring Range
	0.1V~750V ±1%
Continuity Test	0.01Ω~200.0Ω ±0.5%
General	
Power Supply	8 × 1.5V AA Batteries
Product Size	180mm × 140mm × 65mm / 7.1" × 5.5" × 2.6"
Product Weight	950g / 2.0lb
Category	CE CAT III 1000V



19

INSULATION TESTERS

MS5203

DIGITAL INSULATION TESTER

MS5203



Insulation Tests	
Source Output Voltage	Measuring Range
50V (0%~+20%)	0.01MΩ~50MΩ ±3%
100V (0%~+20%)	0.01MΩ~100MΩ ±3%
250V (0%~+20%)	0.01MΩ~250MΩ ±3%
500V (0%~+20%)	0.01MΩ~500MΩ ±3%
1000V (0%~+20%)	0.1MΩ~1000MΩ ±3%
	1.00GΩ~5.00GΩ ±5%
	5.00GΩ~10.00GΩ ±10%
Short Circuit Current	1.8mA
Multimeter Functions	
DC Voltage Test	Measuring Range
	0.1V~1000V ±0.5%
AC Voltage Test	Measuring Range
	0.1V~750V ±1%
Continuity Test	0.01Ω~200.0Ω ±0.5%
General	
Power Supply	8 × 1.5V AA Batteries
Product Size	180mm × 140mm × 65mm / 7.1" × 5.5" × 2.6"
Product Weight	900g / 2.0lb
Category	CE CAT III 1000V



20

MASTECH®

INSULATION TESTERS

MS5201

DIGITAL INSULATION TESTER

MS5201



Insulation Tests	
Source Output Voltage	0-200V ± 10%
DC 250V ± 10%	0-200MΩ ± (3%+5)
DC 500V ± 10%	0-200MΩ ± (3%+5)
DC 1000V ± 10%	50MΩ-1000MΩ ± (3%+5)
Short Circuit Current	1000MΩ-2000MΩ ± (3%+5)
Short Circuit Current	≤ 2.5mA
Multimeter Functions	
DC Voltage Test	Measuring Range
	0-1000V ± (0.8%+3)
AC Voltage Test	Measuring Range
	0-700V ± (1.2%+1.5)
Continuity Test	Measuring Range
	0.1Ω-200.0Ω ± (1%+3)
General	
Power Supply	6 x 1.5V AA Batteries
Product Size	190mm x 82mm x 32mm (7.5" x 3.2" x 1.3")
Product Weight	545g (1.2lb)
Category	CE CAT. II 1000V



EMC LVD



DIGITAL MULTIMETERS

MS8050

53000 COUNTS AUTORANGING BENCH TOP MULTIMETER

MS8050



Specifications	Range	Accuracy
DC Voltage	50mV/500mV/5V/50V/500V/1000V	±(0.03%+6)
AC Voltage	50mV/500mV/5V/50V/500V/1000V	±(0.3%+40)
DC Current	500µA/5mA/50mA/500mA	±(0.15%+10)
AC Current	500µA/5mA/50mA/500mA	±(0.75%+10)
Resistance	50Ω/500Ω/5KΩ/50KΩ/500KΩ/5MΩ	±(1.0%+10)
Capacitance	50nF/500nF/5µF/50µF	±(0.5%+10)
Logic Frequency	500µF/500µF	±(1%+10)
Duty Cycle	5Hz-2MHz	±(2%+10)
Linear Frequency	10%-90%	±(0.005%+4)
Linear Frequency	5Hz-200kHz	±(1.0%+10)
Features		
Display	53000 counts	±(0.006%+4)
Auto Ranging	✓	
Manual Ranging	✓	
Voltage & Current	mV, V, µA, mA, A	
AC + DC Measurement	✓	
True RMS	✓	
dBm Measurement	✓	
Relative Measurement	✓	
Diode	2.5V	
Continuity Buzzer	<50Ω	
MAX/MIN/MAX-MIN/AVG	✓	
Data Hold	✓	
Data Logging	30 groups	
VFD Display	✓	
USB interface	Windows DS	
General		
Power Supply	220V/110V AC	
Product Size	350mm x 240mm x 100mm / 13.8" x 9.4" x 3.9"	
Product Weight	2500g/5.5lb	
Category	CE CAT. II 1000V	



EMC LVD



MASTECH®

DIGITAL MULTIMETERS

MS8040

22000 COUNTS AUTORANGING BENCH TOP MULTIMETER

MS8040



Specifications	Range	Accuracy
DC Voltage	200mV/2V/20V/200V/1000V	±(0.05%+6)
AC Voltage	50mV/500mV/5V/50V/500V/750V	±(0.5%+30)
DC Current	200µA/2mA/20mA/200mA	±(0.15%+15)
AC Current	200µA/2mA/20mA/200mA	±(0.5%+30)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ	±(1.0%+30)
	20 MΩ	±(0.5%+10)
Capacitance	200nF/200µF/2µF/20µF	±(2%+10)
Logic Frequency	20Hz~2200MHz	±(1.2%+30)
Duty Cycle	5%~95%	±(2.2%+30)
Linear Frequency	5Hz~100kHz	±10%
Temperature(°C)	-30°C~130°C	±(0.05%+10)
Temperature(°F)	-22°F~232°F	±(1%+2)
Clamp DC Current	220A/2200A	±(1%+4)
Clamp AC Current	AC(50~60Hz) 220A/2200A	±(0.1%+10)
Features		
Display	22000 counts	±(1%+30)
Auto Ranging	✓	
Manual Ranging	✓	
True RMS	For AC Voltage & AC Current	
Low pass filter (1kHz)	For AC Voltage & AC Current	
Relative Measurement	✓	
Peak Measurement	✓	
Diode	2.5V	
Continuity Buzzer	<5kΩ	
MAX/MIN	✓	
Date Hold	✓	
Display Backlight	✓	
USB Interface	Windows OS	
General		
Power Supply	220V/110V AC(50~60Hz), 1×9V 6F22 Battery, 6×1.5V AA Batteries	
Product Size	238mm×230mm×83mm/9.4"×9.1"×3.3"	
Product Weight	1500g/3.3lb	
Category	CE CAT.II 1000V	



EMC
LVD



DIGITAL MULTIMETERS

MS9803R

4000 COUNTS AUTORANGING BENCH TOP MULTIMETER

MS9803R



Specifications	Range	Accuracy
DC Voltage	4mV/40mV/400V/1000V	±(0.3%+2)
AC Voltage	4V/40V/400V/750V	±(0.3%+5)
DC Current	4mA/40mA/400mA	±(0.3%+5)
AC Current	4mA/40mA/400mA	±(1.5%+5)
Resistance	40Ω/400Ω/4KΩ/40KΩ	±(0.5%+5)
	4 MΩ	±(1%+5)
Capacitance	4nF/40nF/400nF/4µF/20µF	±(1.5%+10)
Frequency	20Hz~40Hz	±(2%+5)
ADP Measurement	100Hz/1kHz/10kHz/600kHz	±(0.1%+4)
Features	5,400mv (10 Counts Per mv DC)	±(0.3%+15)
Display	4000 counts	
Auto Ranging	✓	
Manual Ranging	✓	
True RMS	For AC Voltage & AC Current	
Relative Measurement	✓	
Diode	1~100	
Continuity Buzzer	<5kΩ	
MAX/MIN	✓	
Date Hold	✓	
Display Storage	Display can be Memorized and Recallable	
Display Backlight	✓	
USB Interface	Windows OS	
General		
Power Supply	220V/110V AC(50~60Hz), 1×9V 6F22 Battery, 6×1.5V AA Batteries	
Product Size	238mm×230mm×83mm/9.4"×9.1"×3.3"	
Product Weight	1500g/3.3lb	
Category	CE CAT.II 1000V	



EMC
LVD



MASTECH®

DIGITAL MULTIMETERS

MS5208

INSULATION MULTIMETER

MS5208



Specifications	Range	Accuracy
Output Voltage (Insulation)	0-50MΩ	±(0.5%+5)
50V (0-20%)	0-100MΩ	±(0.5%+5)
100V (0-20%)	0-250MΩ	±(0.5%+5)
250V (0-20%)	0-500MΩ	±(0.5%+5)
500V (0-20%)	0-2 GΩ	±(0.5%+5)
1000V (0-20%)		
Multimeter Functions	Range	Accuracy
DC Voltage	600mV/60V/600V/1000V	±(0.5%+3)
AC Voltage	600mV/60V/600V/750V	±(1.5%+30)
DC Current	60mA/400mA	±(1.5%+30)
AC Current	60mA/400mA	±(1.2%+3)
Resistance	60Ω/2kΩ/20kΩ/60kΩ	±(1.2%+3)
Capacitance	60nF/600nF	±(5%+20)
Temperature (°C/°F)	60V/600V/600V/6mF/60mF	±(1%+2)
	-50°C-130°C	
	-22°F-282°F	±(1%+5)
Features		
Display	6500 counts	
Auto Ranging	✓	
Manual Ranging	✓	
True RMS	For AC Voltage & AC Current	
Diode Test	For Insulation mode	
REL	Relative Measurement	
Low Pass Filter Function (Hz)	For AC Voltage & AC Current	
MAX/MIN/AVG	✓	
Date Hold	✓	
Date Logging	100 groups	
Display Backlight	✓	
General		
Power Supply	4x1.5V AA Batteries	
Product Size	205mm x 102mm x 58mm/8.1" x 4.0" x 2.3"	
Product Weight	396g/0.9lb	
Category	CE CAT.III 1000V	

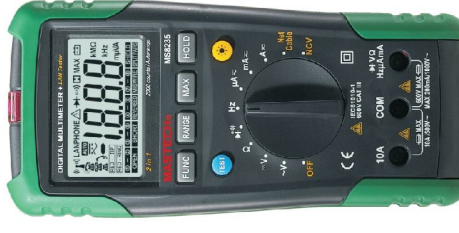


DIGITAL MULTIMETERS

MS8235

AUTORANGING DIGITAL MULTIMETER WITH LAN TESTER

MS8235



Specifications	Range	Accuracy
DC Voltage	200mV/2V/20V/200V/600V	±(0.5%+5)
AC Voltage	200mV/2V/20V/200V/600V	±(0.5%+5)
DC Current	200mA/2000mA/20mA/200mA	±(1.2%+5)
AC Current	24/10A	±(2.0%+5)
AC Current	200mA/2000mA/20mA/200mA	±(1.5%+5)
Resistance	200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ	±(1.0%+5)
Frequency	20kHz	±(1.5%+5)
Features		
Display	2000 counts	
Auto Ranging	✓	
Manual Ranging	✓	
Rel Cable Check	1568A 1568B 1088gs I	
NCV	Non-Contact Voltage Detector	
Diode	2.9V	
Continuity Buzzer	<50Ω	
MAX	✓	
Date Hold	✓	
Low Battery Display	✓	
Display Backlight	✓	
General		
Power Supply	1x9V 6F22 Battery	
Product Size	195mm x 92mm x 55mm/7.7" x 3.6" x 2.2"	
Product Weight	400g/0.9lb	
Category	CE CAT.III 600V	



MASTECH®

DIGITAL MULTIMETERS

MS8236

AUTORANGING DIGITAL MULTIMETER WITH LAUNCHPHONE TESTER



Specifications	Range	Accuracy
DC Voltage	20mV/2V/20V/200V/600V	±(0.5%+5)
AC Voltage	20mV/2V/20V/200V/600V	±(0.8%+5)
DC Current	200µA/2000µA/20mA/200mA	±(1.2%+5)
AC Current	200µA/2000µA/20mA/200mA	±(2.0%+5)
Resistance	20Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ	±(1.0%+5)
Features		
Display	2000 counts	
Auto Ranging	✓	
Manual Ranging	✓	
Rel. Cable Check	✓	
Phone Check	✓	
Tone	✓	
NCV	✓	
Diode	✓	
Continuity Buzzer	✓	
MAX	✓	
Date Hold	✓	
Low battery display	✓	
Display backlight	✓	
General		
Power Supply	1×9V 6F22 Battery	
Product Size	195mm×92mm×55mm/7.7"×3.6"×2.2"	
Product Weight	400g/0.9lb	
Category	CE/ETL CAT.III 600V	

DIGITAL MULTIMETERS

MS8209/MS8228/MS8229

AUTORANGING DIGITAL MULTIMETER WITH ENVIRONMENTAL TESTER



Specifications	Range	Accuracy
DC Voltage		
	40mV/4V/40V/400V/600V	±(0.7%+2)
	40mV/40mV/4V/40V/400V/1000V	±(0.7%+2)
AC Voltage		
	40mV/400mV/600V	±(0.8%+3)
	40mV/4V/40V/400V/750V	±(0.8%+3)
DC Current		
	40mV/400µA/40mA/400mA	±(1.2%+3)
	40mV/400µA/40mA/400mA	±(1.2%+3)
	40mV/400µA/40mA/400mA	±(1.2%+3)
AC Current		
	40mV/400µA/40mA/400mA	±(1.5%+3)
	40mV/400µA/40mA/400mA	±(1.5%+3)
Resistance		
	20Ω/2KΩ/20KΩ/200KΩ/2MΩ	±(1.2%+3)
Capacitance		
	10nF/100nF/1µF/10µF/200µF	±(0.5%+3)
Frequency		
	10Hz/100Hz/1KHz/10KHz/100KHz	±(2.0%+5)
Temperature(°C)		
	-20°C~100°C	±3.0%
	-4°F~183°F	±2.0%
Indicac Thermonistor		
	-20°C~300°C	±2.0%
	-4°F~572°F	±2.0%
Environment T		
	0°C~40°C	±4.0°C
Relative Humidity		
	30%~95%	±5.0%
Sound Level		
	35dB~100dB	±4.0%
Luminosity		
	4000 lux/40000 Lux	±5.0%
Features		
Display	Counts	4000
Auto Ranging	✓	
Manual Ranging	✓	
Shunt/Light Warning	For Incorrecly inserting the Input Plugs	✓
Laser Pointer	Targeting the Measured Point	✓
Relative measurement	✓	
°C/°F Selection	✓	
HFE	Transistor checking	✓
Diode	✓	
Continuity Buzzer	2.5V	✓
Date Hold	<500	✓
Low Battery display	✓	
Display Backlight	✓	
General		
Power Supply	1 × 9V 6F22	3 × 1.5V AAAA/3 × 1.5V AAA
Product Size	188 × 88 × 38mm	185 × 82 × 35mm
Product Weight	32 × 3.1 × 1.5	7.7 × 3.6 × 1.2
Category	2E/CAT.III 600V	4E/CAT.III 600V

MASTECH®

DIGITAL MULTIMETERS

MS8240B/MS8240D

MS8240B



MS8240D



29

ADVANCED DIGITAL MULTIMETER



Specifications	Range	Accuracy	MS8240B	MS8240D
DC Voltage	20mV/2V/20V/200V/1000V	±(0.7% + 3)	±(0.5% + 3)	±(0.5% + 3)
AC Voltage	20mV/2V/20V/200V/750V	±(0.8% + 5)	±(0.8% + 5)	±(0.8% + 5)
DC Current	20mA/200mA/2000mA/10A	±(1.2% + 5)	±(0.8% + 5)	±(0.8% + 5)
AC Current	20mA/200mA/2000mA/10A	±(1.8% + 5)	±(0.8% + 5)	±(0.8% + 5)
Resistance	20Ω/200Ω/2000Ω/20kΩ/200kΩ/2MΩ	±(1.0% + 3)	±(1.0% + 3)	±(1.0% + 3)
Capacitance	2nF/20nF/200nF/2μF/20μF/200μF/2mF	±(4.0% + 5)	±(4.0% + 5)	±(4.0% + 5)
Inductance	2mH/20mH/200mH/2H/20H	±(4.0% + 5)	±(4.0% + 5)	±(4.0% + 5)
Frequency	0~220MHz	±(1.2% + 1)	±(0.2% + 3)	±1%
Duty Cycle	5%~95%	±(2% + 2)	±(2% + 2)	±(2% + 2)
Temperature(°C)	-20°C~1000°C	±(2% + 4)	±(2% + 4)	±(2% + 4)
Temperature(°F)	-4°F~1832°F			
Features			2000	22000
Display	Counts		✓	✓
Auto Ranging		✓	✓	✓
Manual Ranging		✓	✓	✓
Relative Measurement		✓	✓	✓
Peak Measurement		✓	✓	✓
Transistor hFE	0~1000	✓	✓	✓
Diode	2~1V	✓	✓	✓
Continuity Buzzer	<50Ω	✓	✓	✓
MAX/MIN		✓	✓	✓
Data Hold		✓	✓	✓
Display Backlight		✓	✓	✓
Auto Power Off		✓	✓	✓
Low Battery Display		✓	✓	✓
USB Interface	Windows OS	✓	✓	✓
General				
Power Supply	4 x 1.5V AA Batteries	✓	✓	✓
Product Size	206mm x 102mm x 58mm/8.1" x 4.0" x 2.2"	✓	✓	✓
Product Weight	395g/0.3lb	✓	✓	✓
Category	CAT III 1000V	✓	✓	✓



DIGITAL MULTIMETERS

MS8250A/MS8250B/MS8250C

DIGITAL MULTIMETER



Specifications	Range	Accuracy	MS8250A	MS8250B	MS8250C
DC Voltage	40mV/400mV/400V/1000V	±(0.5% + 2)	±(0.5% + 2)	±(0.5% + 2)	±(0.5% + 2)
AC Voltage	40mV/400mV/400V/750V	±(0.8% + 2)	±(0.8% + 2)	±(0.8% + 2)	±(1.0% + 2)
DC Current	400μA/4000μA/40mA/400mA	±(1.2% + 2)	±(1.2% + 2)	±(1.2% + 2)	±(0.8% + 2)
AC Current	400μA/4000μA/40mA/400mA	±(1.5% + 2)	±(1.5% + 2)	±(1.5% + 2)	±(0.8% + 2)
Resistance	10Ω/100Ω/1kΩ/10kΩ/100kΩ/1MΩ	±(1.2% + 2)	±(1.2% + 2)	±(1.2% + 2)	±(0.3% + 2)
Capacitance	10nF/100nF/1μF/10μF/100μF	±(6% + 5)	±(6% + 5)	±(6% + 5)	±(0.8% + 2)
Frequency	0~50kHz	±(0.5% + 2)	±(0.5% + 2)	±(0.5% + 2)	±(3% + 2)
Duty Cycle	5%~95%	±(2% + 2)	±(2% + 2)	±(2% + 2)	±(2% + 2)
Features			4000	4000	8600
Display	Counts		✓	✓	✓
Auto Ranging		✓	✓	✓	✓
Manual Ranging		✓	✓	✓	✓
Relative Measurement		✓	✓	✓	✓
True RMS		✓	✓	✓	✓
Non-Contact Voltage Detection		✓	✓	✓	✓
Diode	2~7V	✓	✓	✓	✓
Continuity Buzzer	<50Ω	✓	✓	✓	✓
MAX/MIN		✓	✓	✓	✓
Data Hold		✓	✓	✓	✓
Auto Power Off		✓	✓	✓	✓
Low Battery Display		✓	✓	✓	✓
Display Backlight		✓	✓	✓	✓
USB Interface	Windows OS	✓	✓	✓	✓
General					
Power Supply	1 x 9V 6F22 Battery	✓	✓	✓	✓
Product Size	188mm x 86mm x 56mm/7.4" x 3.4" x 2.2"	✓	✓	✓	✓
Product Weight	251g/0.8lb	✓	✓	✓	✓
Category	CAT III 600V	✓	✓	✓	✓

MS8250A



MS8250B



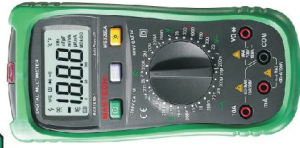
MS8250C



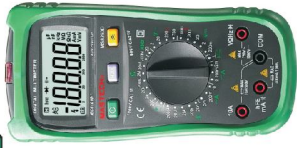
30

MASTECH®

MS8260A



MS8260D



MS8260G



DIGITAL MULTIMETERS MS8260A / MS8260D / MS8260G

DIGITAL MULTIMETER



Specifications	Range	MS8260A	MS8260D	MS8260G
DC Voltage	200mV/2V/20V/200V/1000V	±(0.5% + 2)	±(0.1% + 5)	±(0.5% + 7)
AC Voltage	400mV/4V/40V/400V/1000V	±(0.8% + 5)	±(0.3% + 5)	±(0.8% + 15)
DC Current	20mA/200mA/200mA/200mA/200mA/200mA	±(1.0% + 5)	±(0.3% + 5)	±(0.8% + 3)
AC Current	20mA/200mA/200mA/200mA/200mA/200mA	±(2.0% + 5)	±(0.8% + 5)	±(1.2% + 7)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ	±(0.8% + 5)	±(0.3% + 5)	±(0.8% + 5)
Capacitance	20nF/200nF/2μF/20μF/200μF	±(0.8% + 5)	±(0.3% + 5)	±(0.8% + 5)
Frequency	0~20kHz	±(3% + 5)	±(3% + 5)	±(3% + 5)
Duty Cycle	5%~95%			
Temperature(°C)	-20°C~1000°C			
Temperature(°F)	4°F~1832°F			
Display	Counts	2000	20000	4000
Auto Ranging		✓	✓	✓
Manual Ranging		✓	✓	✓
REL	Relative Measurement	✓	✓	✓
NCV	Non-Contact Voltage Detection	✓	✓	✓
Diode	0~1000	✓	✓	✓
Continuity Buzzer	2.7V	✓	✓	✓
MAX/MIN	<50Q	✓	✓	✓
Data Hold		✓	✓	✓
Display Backlight		✓	✓	✓
General				
Power Supply	1 x 9V 6F22 Battery	✓	✓	✓
Product Size	180mm×50mm×50mm/7.4×3.6×2.0"	✓	✓	✓
Product Weight	350g/0.8lb	✓	✓	✓
Category	CAT III 1000V	CE EIL	CE	CE

DIGITAL MULTIMETERS MS8261/MS8265

DIGITAL MULTIMETER



Specifications	Range	MS8261	MS8265
DC Voltage	200mV/2V/20V/200V/1000V	±(0.5% + 2)	±(0.1% + 5)
AC Voltage	2V/20V/200V/750V	±(0.8% + 3)	±(0.8% + 15)
DC Current	2mA/20mA/200mA	±(1.5% + 1)	±(0.5% + 10)
AC Current	2mA/200mA	±(2.0% + 5)	±(2.0% + 10)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ	±(1.0% + 2)	±(1.2% + 7)
Capacitance	20nF/200nF/2μF/20μF	±(1.0% + 2)	±(1.2% + 7)
Frequency	0~20kHz	±(4% + 3)	±(5% + 20)
Features			
Display	2000 counts	2000 counts	2000 counts
Sound Light Warning	For incorrectly inserting the input plugs	✓	✓
Transistor hFE	0~1000	✓	✓
Diode	2~7V	✓	✓
Continuity Buzzer	<50Q	✓	✓
Data Hold		✓	✓
Display Backlight		✓	✓
General			
Power Supply	1 x 9V 6F22	1 x 9V 6F22	1 x 9V 6F22
Product Size	195×52×55	195×52×55	195×52×55
Product Weight	380g/0.8lb	380g/0.8lb	380g/0.8lb
Category	CAT III 1000V	CE	CE

MS8261



MS8265



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MASTECH®

MS8268



MS8269



DIGITAL MULTIMETERS

MS8268/MS8269

DIGITAL MULTIMETER



Specifications	Range	Accuracy
DC Voltage	200mV/2V/20V/200V/1000V 400mV/4V/40V/400V/1000V	MS8268 ±(0.5%+2) MS8269 ±(0.5%+2)
AC Voltage	2V/20V/200V/750V 400mV/4V/40V/400V/750V	±(0.7%+2) ±(0.8%+3)
DC Current	20mA 400µA/40mA/400mA/400mA	±(0.8%+3) ±(1.5%+1) ±(2.0%+5) ±(2.0%+5)
AC Current	10A 400µA/40mA/400mA/400mA	±(1.5%+5) ±(1.8%+3)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ 400Ω/4KΩ/40KΩ/400KΩ/4MΩ	±(0.8%+7) ±(0.9%+5)
Capacitance	20nF/200nF/2µF/20µF 5nF/40nF/400nF/4µF/20µF	±(1.9%+2) ±(2.0%+5)
Frequency	5%~35%	±(3%+3)
Duty Cycle	0~200kHz	±(2.0%+3)
Inductance	20mH/200mH/2H/20H	±(3%+3)
Temperature(°C)	-20°C~1000°C	±(2%+2)
Features		
Display	4000 counts	2000 counts
Auto Ranging	✓	✓
Manual Ranging	✓	✓
Warning Light	For incorrectly inserting the Input Plugs	✓
Sound/Light Warning	Relative Measurement	✓
REL	✓	✓
Transistor hFE	0~1000	✓
Diode	2.7V	✓
Continuity Buzzer	<50Ω	✓
Diode Backlight	✓	✓
General		
Power Supply	3 × 1.5V AAA	1 × 9V 6F22
Product Size	195 × 67 × 55 mm 7.7 × 3.6 × 2.2 inch	195 × 67 × 55 mm 7.7 × 3.6 × 2.2 inch
Product Weight	400g/0.9lb	350g/0.8lb
Category	CAT.II 1000V	CE

DIGITAL MULTIMETERS

MY60/MY61/MY62

DIGITAL MULTIMETER



Specifications	Range	Accuracy
DC Voltage	200mV/2V/20V/200V 1000V	MY60 ±(0.5%+3) MY61 ±(0.5%+3) MY62 ±(0.5%+3)
AC Voltage	2V/20V/200V 750V	±(0.8%+3) ±(0.8%+3) ±(0.8%+3) ±(1.2%+3)
DC Current	20µA 2mA/20mA/200mA	±(2.0%+5) ±(1.5%+1) ±(1.5%+1)
AC Current	10A 20µA/200µA 2mA/20mA/200mA	±(2.0%+5) ±(1.8%+5) ±(1.8%+5)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ 200KΩ	±(3.0%+5) ±(0.8%+3) ±(0.8%+3) ±(1.0%+5)
Capacitance	2nF/20nF/200nF/2µF 100µF	±(6.0%+10) ±(6.0%+3) ±(6.0%+10)
Temperature(°C)	-20°C~1000°C	±(2%+2)
Features		
Display	Counts	2000
Transistor hFE	0~1000	✓
Diode	2.7V	✓
Continuity Buzzer	<50Ω	✓
Date Hold	✓	✓
APD	Auto Power Off	✓
LRB	Low Battery Display	✓
General		
Power Supply	1 × 9V 6F22	1 × 9V 6F22
Product Size	190 × 89 × 51 mm 7.5 × 3.5 × 2.0 inch	190 × 89 × 51 mm 7.5 × 3.5 × 2.0 inch
Product Weight	412g/0.9lb	412g/0.9lb
Category	CAT.II 1000V CAT.III 600V	CE

MASTECH®

MY60



MY61



MY62



MASTECH®

DIGITAL MULTIMETERS

MY63/MY64/MY65

MY63



MY64



MY65



DIGITAL MULTIMETER



Specifications	Range	Accuracy	MY63	MY64	MY65
DC Voltage	200mV/2V/20V/200V	$\pm(0.5\% - 3) \pm(0.1\% + 3)$	$\pm(0.5\% - 3) \pm(0.1\% + 3)$	$\pm(0.5\% - 3) \pm(0.1\% + 3)$	$\pm(0.5\% - 3) \pm(0.1\% + 3)$
AC Voltage	2V/20V/200V	$\pm(0.8\% - 3) \pm(0.6\% + 10)$	$\pm(0.8\% - 3) \pm(0.6\% + 10)$	$\pm(0.8\% - 3) \pm(0.6\% + 10)$	$\pm(0.8\% - 3) \pm(0.6\% + 10)$
DC Current	2mA/20mA/200mA	$\pm(1.2\% + 3) \pm(1.2\% - 3) \pm(0.8\% - 15)$	$\pm(1.2\% + 3) \pm(1.2\% - 3) \pm(0.8\% - 15)$	$\pm(1.2\% + 3) \pm(1.2\% - 3) \pm(0.8\% - 15)$	$\pm(1.2\% + 3) \pm(1.2\% - 3) \pm(0.8\% - 15)$
AC Current	2mA/20mA/200mA	$\pm(1.8\% + 5) \pm(1.8\% - 5) \pm(1.2\% - 10)$	$\pm(1.8\% + 5) \pm(1.8\% - 5) \pm(1.2\% - 10)$	$\pm(1.8\% + 5) \pm(1.8\% - 5) \pm(1.2\% - 10)$	$\pm(1.8\% + 5) \pm(1.8\% - 5) \pm(1.2\% - 10)$
Resistance	200 Ω /2K Ω /20K Ω /200K Ω /2M Ω	$\pm(1.0\% + 3) \pm(1.0\% - 3) \pm(0.5\% + 1)$	$\pm(1.0\% + 3) \pm(1.0\% - 3) \pm(0.5\% + 1)$	$\pm(1.0\% + 3) \pm(1.0\% - 3) \pm(0.5\% + 1)$	$\pm(1.0\% + 3) \pm(1.0\% - 3) \pm(0.5\% + 1)$
Capacitance	2nF/20nF/200nF/2 μ F	$\pm(6.0\% + 10) \pm(6.0\% - 10) \pm(5.0\% - 10)$	$\pm(6.0\% + 10) \pm(6.0\% - 10) \pm(5.0\% - 10)$	$\pm(6.0\% + 10) \pm(6.0\% - 10) \pm(5.0\% - 10)$	$\pm(6.0\% + 10) \pm(6.0\% - 10) \pm(5.0\% - 10)$
Frequency	20kHz	$\pm(1.5\% + 5)$	$\pm(1.5\% + 5)$	$\pm(1.5\% + 5)$	$\pm(1.5\% + 5)$
Temperature(°C)	-20°C~1000°C	$\pm(2\% - 2)$	$\pm(2\% - 2)$	$\pm(2\% - 2)$	$\pm(2\% - 2)$
Special Functions					
Display	Counts	2000	2000	2000	2000
Transistor hFE	0~1000	\checkmark	\checkmark	\checkmark	\checkmark
Diode	2.7V	\checkmark	\checkmark	\checkmark	\checkmark
Continuity Buzzer	<50 Ω	\checkmark	\checkmark	\checkmark	\checkmark
Data Hold		\checkmark	\checkmark	\checkmark	\checkmark
APD	Auto Power Off	\checkmark	\checkmark	\checkmark	\checkmark
LED	Low Battery Display	\checkmark	\checkmark	\checkmark	\checkmark
General Characteristics					
Power Supply	1×9V 6F22	1×8V 6F22	1×8V 6F22	1×8V 6F22	1×8V 6F22
Product Size	mm	150×80×51	150×80×51	150×80×51	150×80×51
Product Weight	g	75	75	75	75
Category	CAT.II 1000V	CAT.III 600V	CE	CE	CE ETL

DIGITAL MULTIMETERS

MS8233A/MS8233C/MS8233E

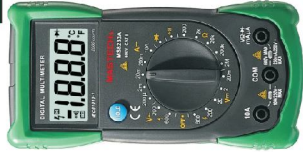
DIGITAL MULTIMETER



Specifications	Range	Accuracy	MS8233A	MS8233C	MS8233E
DC Voltage	200mV/2V/20V/200V	$\pm(0.5\% + 3) \pm(0.5\% + 3) \pm(0.5\% + 3)$	$\pm(0.5\% + 3) \pm(0.5\% + 3) \pm(0.5\% + 3)$	$\pm(0.5\% + 3) \pm(0.5\% + 3) \pm(0.5\% + 3)$	$\pm(0.5\% + 3) \pm(0.5\% + 3) \pm(0.5\% + 3)$
AC Voltage	200V/800V	$\pm(0.8\% + 5) \pm(0.8\% + 5) \pm(0.8\% + 5)$	$\pm(0.8\% + 5) \pm(0.8\% + 5) \pm(0.8\% + 5)$	$\pm(0.8\% + 5) \pm(0.8\% + 5) \pm(0.8\% + 5)$	$\pm(0.8\% + 5) \pm(0.8\% + 5) \pm(0.8\% + 5)$
DC Current	200 μ A/2mA/20mA/200mA	$\pm(1.2\% + 10) \pm(1.2\% + 10) \pm(1.2\% + 10)$	$\pm(1.2\% + 10) \pm(1.2\% + 10) \pm(1.2\% + 10)$	$\pm(1.2\% + 10) \pm(1.2\% + 10) \pm(1.2\% + 10)$	$\pm(1.2\% + 10) \pm(1.2\% + 10) \pm(1.2\% + 10)$
AC Current	200 μ A/2mA/20mA/200mA	$\pm(1.0\% + 3) \pm(1.0\% + 3) \pm(1.0\% + 3)$	$\pm(1.0\% + 3) \pm(1.0\% + 3) \pm(1.0\% + 3)$	$\pm(1.0\% + 3) \pm(1.0\% + 3) \pm(1.0\% + 3)$	$\pm(1.0\% + 3) \pm(1.0\% + 3) \pm(1.0\% + 3)$
Resistance	200 Ω /2K Ω /20K Ω /200K Ω /2M Ω	$\pm(0.8\% + 4) \pm(0.8\% + 4) \pm(0.8\% + 4)$	$\pm(0.8\% + 4) \pm(0.8\% + 4) \pm(0.8\% + 4)$	$\pm(0.8\% + 4) \pm(0.8\% + 4) \pm(0.8\% + 4)$	$\pm(0.8\% + 4) \pm(0.8\% + 4) \pm(0.8\% + 4)$
Temperature(°C)	-20°C~1000°C	$\pm(2\% + 2) \pm(2\% + 2) \pm(2\% + 2)$	$\pm(2\% + 2) \pm(2\% + 2) \pm(2\% + 2)$	$\pm(2\% + 2) \pm(2\% + 2) \pm(2\% + 2)$	$\pm(2\% + 2) \pm(2\% + 2) \pm(2\% + 2)$
Temperature(°F)	-4°F~1832°F	$\pm(2\% + 4) \pm(2\% + 4) \pm(2\% + 4)$	$\pm(2\% + 4) \pm(2\% + 4) \pm(2\% + 4)$	$\pm(2\% + 4) \pm(2\% + 4) \pm(2\% + 4)$	$\pm(2\% + 4) \pm(2\% + 4) \pm(2\% + 4)$
Features					
Display	Counts	2000	2000	2000	2000
Auto Ranging	Non-Contact Voltage Detection	\checkmark	\checkmark	\checkmark	\checkmark
Diode	2.7V	\checkmark	\checkmark	\checkmark	\checkmark
Continuity Buzzer	<50 Ω	\checkmark	\checkmark	\checkmark	\checkmark
Data Hold		\checkmark	\checkmark	\checkmark	\checkmark
Display Backlight		\checkmark	\checkmark	\checkmark	\checkmark
General					
Power Supply	1×9V 6F22 Battery	\checkmark	\checkmark	\checkmark	\checkmark
Product Size	150mm×70mm×50mm/5.9"×2.8"×2.0"	\checkmark	\checkmark	\checkmark	\checkmark
Product Weight	240g/0.5lb	\checkmark	\checkmark	\checkmark	\checkmark
Category	CAT.III 600V	CE	CE	CE	CE

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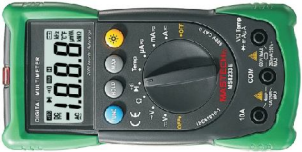
MS8233A



MS8233C



MS8233E

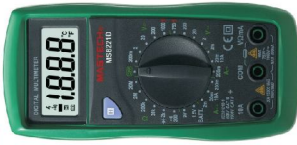


MASTECH®

MS8221



MS8221D



MS8230B



DIGITAL MULTIMETERS

MS8221 / MS8221D / MS8230B

DIGITAL MULTIMETER

Specifications	Range	Accuracy
DC Voltage	20mV/2V/20V/200V/600V	MS8221 ±(0.7%+2) MS8221D MS8230B ±(0.5%+3)
AC Voltage	20mV/2V/20V/200V/600V	±(0.8%+3)
AC Voltage	20mV/2V/20V/200V/750V	±(0.8%+3)
DC Current	200µA/200µA/20mA/200mA	±(1.2%+3) ±(0.8%+1) ±(1.0%+2) ±(0.8%+1) ±(2.0%+5) ±(3.0%+2) ±(0.1%+5)
DC Current With Clamp (Optional)	200A/2000A	±(1.5%+5)
AC Current	20mA/200µA/20mA/200mA	±(1.2%+3)
AC Current With Clamp (Optional)	20A/200mA/200mA	±(0.8%+1) ±(3.0%+5)
AC Current With Clamp (Optional)	200A/2000A	±(0.5%+5)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ	±(1.0%+3) ±(0.5%+3)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ	±(1.0%+5)
Temperature (°C)	-20°C ~ 1000°C	±(2%+2)
Temperature (°F)	-4°F ~ 1832°F	±(2%+4)
Features		2000 counts 2000 counts 2000 counts
Display		✓
Auto Ranging		✓
Manual Ranging		✓
Battery Test	3 Types: 1.5V/3V/9V	✓
Transistor hFE	0 ~ 1000	✓
Diode	2.7V	✓
Continuity Buzzer	<50Ω	✓
MAX		✓
Data Hold		✓
Display Backlight		✓
General		
Power Supply	3 x 1.5V AAA Batteries	✓
Product Size	158mm x 72mm x 31mm 6.2" x 2.8" x 1.2"	✓
Product Weight	220g/0.5lb	✓

DIGITAL MULTIMETERS

MAS830/MAS830B/MAS830L/MAS838

DIGITAL MULTIMETER

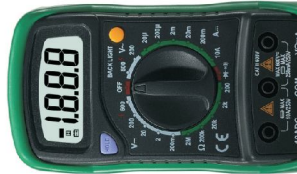
MAS830



MAS830B



MAS830L



MAS838



Specifications	Range	Accuracy
DC Voltage	20mV/2V/20V/200V	MAS830 ±(0.5%+3) MAS830B ±(0.5%+3) ±(0.5%+3) MAS830L ±(0.5%+3) ±(0.5%+3) MAS838 ±(0.5%+3) ±(0.5%+3)
AC Voltage	20mV/20V/600V	±(0.8%+5) ±(0.8%+5) ±(0.8%+5) ±(0.8%+5)
DC Current	200µA/200µA/20mA/200mA	±(1.2%+10) ±(1.2%+10) ±(1.2%+10) ±(1.2%+10)
DC Current	200µA/200µA/20mA/200mA	±(1.0%+3) ±(1.0%+3) ±(1.0%+3) ±(1.0%+3)
Resistance	200Ω/2KΩ/20KΩ/200KΩ	±(3.0%+10) ±(3.0%+10) ±(3.0%+10) ±(3.0%+10)
Resistance	200Ω/2KΩ/20KΩ/200KΩ	±(0.8%+2) ±(0.8%+2) ±(0.8%+2) ±(0.8%+2)
Temperature (°C)	-20°C ~ 1000°C	±(1.0%+5) ±(1.0%+5) ±(1.0%+5) ±(1.0%+5)
Features		2000 counts 2000 counts 2000 counts 2000 counts
Display	2.7V	✓
Continuity Buzzer	<50Ω	✓
Data Hold		✓
Display Backlight		✓
General		
Power Supply	1 x 9V 8521/EDA 16M Battery	✓
Product Size	158mm x 68mm x 31mm 6.2" x 2.7" x 1.2"	✓
Product Weight	160g/0.4lb	✓
Category	CAT II 600V	CE CE/ETL CE/ETL CE



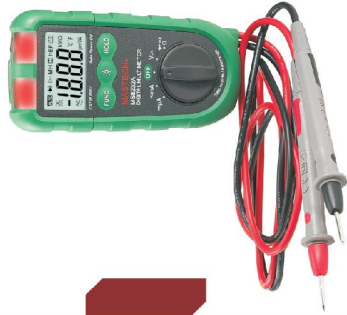
MASTECH®

MS8232A

DIGITAL MULTIMETERS

MS8232A/MS8232B

ADVANCED 2000/4000 COUNTS AUTORANGING DIGITAL MULTIMETER



MS8232B



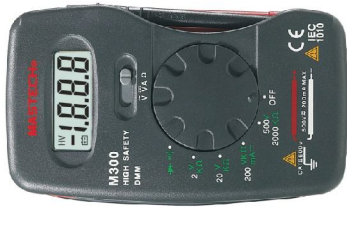
40

Specifications	Range	Accuracy
DC Voltage	200mV/2V/20V/200V	MS8232A ±(0.5% +3)
	600V	±(0.8% +5)
	400mV/4V/40V/400V	±(0.5% +3)
AC Voltage	2V/20V/200V	±(0.8% +3)
	600V	±(1.0% +5)
	4V/40V/400V/600V	±(0.8% +4)
DC Current	400V/500V	±(1.0% +8)
	200mA/2500mA/2000mA/200mA	±(2.3% +10)
	400mA/4500mA/400mA/400mA	±(1.8% +5)
AC Current	200mA/2500mA/2000mA/200mA	±(2.0% +8)
	400mA/4500mA/400mA/400mA	±(2.0% +8)
	2000V/2000V/2000V/2000V	±(1.0% +3)
Resistance	200Ω/4KΩ/40KΩ/400KΩ/4MΩ	±(1.2% +15)
	400Ω	±(1.0% +3)
	400Ω	±(1.2% +15)
Capacitance	40pF/40nF/400nF/4μF/40μF/100μF	±(2.0% +25)
Frequency	0~50Hz	±(1.5% +15)
Duty Cycle	0.5%~99.9%	±(2.0% +5)
Features		
Display	2000 Counts	4000 Counts
Auto Ranging	Auto	Auto
Auto Power Off	Auto	Auto
NCV	Non-Contact Voltage Detection	Auto
Diode	2.7V	Auto
Continuity Buzzer	<50Ω	Auto
Date Hold	Auto	Auto
Work Light	Auto	Auto
General		
Power Supply	2×1.5V AAA Batteries	Auto
Product Size	75mm×70mm×50mm/5.9"×2.8"×2.0"	Auto
Product Weight	238g/0.5lb	Auto
Category	CAT III 600V	CE/ETL

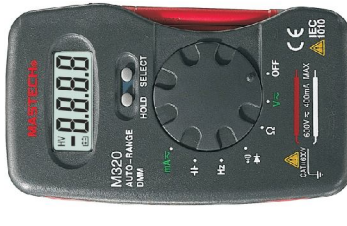
DIGITAL MULTIMETERS

M300/M320

ADVANCED POCKET DIGITAL MULTIMETER



M320



40

Specifications	Range	Accuracy
DC Voltage	2V	M300 ±(0.5% +3)
	20V/200V/500V	±(0.8% +3)
	400mV/4V	±(0.5% +3)
AC Voltage	200V/500V	±(1.2% +10)
	4V/40V/400V/600V	±(0.8% +4)
	200mA	±(2.0% +2)
DC Current	400mA/400mA	±(2.0% +3)
	400mA/400mA	±(3.0% +4)
	200V/200V/200V/200V	±(1.0% +2)
Resistance	400Ω	±(1.0% +3)
	400Ω	±(2.0% +4)
	400Ω	±(0.3% +3)
Capacitance	40pF/40nF/400nF/4μF/100μF	±(0.3% +3)
Frequency	0~100kHz	±(0.3% +3)
Features		
Display	Counts	2000
Auto Ranging	Auto	Auto
Auto Power Off	2.7V	Auto
Diode	<50Ω	Auto
Continuity Buzzer	<50Ω	Auto
Date Hold	Auto	Auto
General		
Power Supply	3V Battery, SR44 or LR44 X 2	Auto
Product Size	120mm×70mm×16mm/4.7"×2.7"×0.7"	Auto
Product Weight	110g/0.2lb	Auto
Category	CAT III 600V	CE/ETL

MASTECH®

MS8211



MS8211D

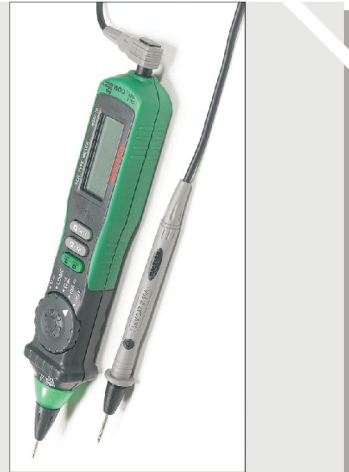
DIGITAL MULTIMETERS

MS8211/MS8211D

PEN-TYPE AUTORANGING DIGITAL MULTIMETER WITH NCV DETECTOR



Specifications	Range	Accuracy
DC Voltage	20mV/2V/20V/200V/600V	MS8211 ±(0.7%+2) MS8211D ±(0.7%+2)
AC Voltage	20mV/2V/20V/200V/600V	±(0.8%+3)
DC Current	20mA/200mA	±(1.0%+3)
AC Current	20mA/200mA	±(1.0%+3)
Resistance	20Ω/200Ω/2KΩ/20KΩ/200KΩ/2MΩ	±(1.0%+3)
Features		
Display	Counts	2000
Auto-ranging	✓	✓
Auto-ranging	✓	✓
Logic Level Test	Non-Cricket AS Voltage Protection >50V/AC	✓
APD	>3.5V High Level, <3.5V Low Level	✓
Diode	Auto Power Off	✓
Continuity Buzzer	2.7V	✓
Data Hold	<50Ω	✓
MAX	Maximum Value Hold	✓
Retractable Tip	Retractable Tip for Safe Storage	✓
Power Supply	2x1.5 AAA Batteries	✓
Product Size	200mm x 38mm x 28mm (8.2" x 1.5" x 1.1")	✓
Product Weight	115g (0.25lb)	✓
Category	CAT III 600V	CE/ETL



4E

DIGITAL CLAMP METERS

MS2203

THREE PHASE DIGITAL POWER CLAMP METER



Specifications	Range	Accuracy
AC Voltage (V)	0.1V-600V	±(1.2%+5)
AC Current (A)	0.1A-1000A	±(1.2%+5)
Active Power (kW)	0.01kW-600kW	±(0.8%+5)
Apparent Power (kVA)	0.01kVA-600kVA	±(0.8%+5)
Reactive Power (kVAR)	0.01kVAR-600kVAR	±(0.8%+5)
Power Factor (PF)	0.3-1	±(2.8%+2)
Active Energy (kWh)	0.01kWh-10000kWh	±(0.8%+2)
Frequency (Hz)	20Hz-1000Hz	±0.5%
Features		
Display	9999 counts	
Jaw Opening	MS2203 60mm/2.0"	
Auto-ranging	✓	
Data Logging	28 groups	
True RMS	✓	
MAX/MIN	True Root Mean Square Measurement	
Data Hold	✓	
Display Backlight	✓	
USB interface	Windows & GS	
General		
Power Supply	4x1.5V AA	
Product Size	300mmx103mmx51mm	
Product Weight	11.8" x 4.1" x 2.0"	
Category	5.5lb	
	CE CAT III 600V	



MASTECH®

MS2203

4E

MASTECH®

DIGITAL CLAMP METERS

MS2205

HARMONIC POWER CLAMP METER



MS2205



EMC
LVD

Specifications	Range	Accuracy
AC Voltage (V)	0.1V – 800V	±(0.8%+5)
AC Current (mA)	0.01A – 100A	±(0.8%+5)
Active Power (kW)	0.01kW – 600kW	±(0.8%+5)
Apparent Power (kVA)	0.01kVA – 600kVA	±(0.8%+5)
Reactive Power (kVAR)	0.01kVAR – 600kVAR	±(0.8%+5)
Power Factor	0.3 – 1	±(2.0%+2)
Harmonic Measurement	Harmonic Number: 1	±(0.3%+10)
45Hz – 65Hz (Fundamental Frequency)	Harmonic Number: 2-6	±(0.3%+10)
	Harmonic Number: 7-8	±(4.3%+10)
	Harmonic Number: 9-10	±(15.0%+10)
	Harmonic Number: 11-15	±(17.0%+10)
	Harmonic Number: 16-20	±(10%+10)
Features		
Display	6000 counts	
Jaw Opening	Φ50mm/2.0"	
Auto Ranging	✓	
Data Logging	100 groups	
True RMS	✓	
True Root Mean Square Measurement	✓	
Date Hold	✓	
Display Backlight	✓	
RS232 Interface	Windows OS	
General		
Power Supply	4x1.5V AAA Batteries	
Product Size	300mmx103mmx51mm	
Product Weight	1.18" x 4.1" x 2.0"	
	500g	
Category	1: 1lb	
	CE CAT III 600V	



DIGITAL CLAMP METERS

MS2208

HARMONIC POWER CLAMP METER



MS2208



EMC
LVD

Specifications	Range	Accuracy
AC Voltage (RMS)	10V – 600V	±(0.8%+5)
AC Current (RMS)	2mA – 3999mA	±(0.8%+5)
Single Phase Active Power (kW)	0.1W – 720kW	±(2%+5)
Single Phase Apparent Power (kVA)	0.01kVA – 720kVA	±(3%+5)
Single Phase Reactive Power (kVAR)	0.01kVAR – 720kVAR	±(3%+5)
Power Factor	0.3 – 1 inductive	±(2%+2)
Frequency (Hz)	30Hz – 1kHz	±(0.3%+1)
Harmonic Measurement	Harmonic Number: 1	±(0.3%+10)
	Harmonic Number: 2 – 6	±(0.3%+10)
	Harmonic Number: 7 – 8	±(4.3%+10)
	Harmonic Number: 9 – 10	±(15.0%+10)
	Harmonic Number: 11 – 15	±(17.0%+10)
	Harmonic Number: 16 – 20	±(10%+10)
Features		
Display	6000 counts	
Auto Ranging	✓	
Jaw Opening	Φ26mm/1.0"	
MAX/MIN	MAX/MIN, Measurement Mode	
Work Light	Pointing To The Target Area	
Display Backlight	✓	
General		
Power Supply	3x1.5V AAA Batteries	
Product Size	209mmx78mmx35mm	
Product Weight	8.2" x 3.1" x 1.4"	
	350g	
Category	0.8lb	
	CE ETL CAT III 600V	



MASTECH®

MS2006B



MS2007B



DIGITAL CLAMP METERS

MS2006B/MS2007B

HIGH SENSITIVITY AC LEAKAGE CLAMP METER



Specifications	Range	Accuracy
AC Current (50Hz-60Hz)	2mA/20mA/60A 200mA/2A/150A	MS2006B ±(2.0%+5) MS2007B ±(2.0%+5)
Display	2000 Counts	±(2.0%+5)
Jaw Opening	Φ31mm/1.2"	±(2.0%+5)
Data Hold	✓	
Low Battery Display	✓	
General	2x 1.5V AAA Batteries 1.76mmx59mmx25mm 6.9" x 2.3" x 1.1"	
Power Supply	15000.0h	
Product Size	CAT III 600V	
Product Weight		
Category		CE

DIGITAL CLAMP METERS

MS2010B

HIGH SENSITIVITY LEAKAGE CLAMP METER



Specifications	Range	Accuracy
DC Voltage	40mV/4V/40V/400V	±(0.7%+3)
AC Voltage	60V	±(0.7%+3)
AC Voltage	40mV/4V/40V/400V	±(0.8%+5)
AC Current	40mA/400mA/4A/40A/400A	±(1.2%+5)
Resistance	60Ω	±(1.0%+3)
Resistance	400Ω/4KΩ/40KΩ/400KΩ/4MΩ	±(2.0%+5)
Capacitance	40pF/400pF/4nF/40nF/400nF	±(2.0%+5)
Frequency (From Clamp)	0-2kHz	±(1.5%+5)
Frequency (From Plug)	0-100kHz	±(1.5%+5)
Duty Cycle	10% - 90%	±3.0%
Thermocouple (T/F)	-20°C - 1000°C -4°F - 1832°F	±2.0%
Features		
Display	4000 counts	
Jaw Opening	Φ31mm/1.2"	
Auto Ranging	✓	
Manual Ranging	✓	
Auto Power Off	✓	
LPF	Low Pass Filter Function	
Relative Measurement	✓	
Diode	2.7V	
Continuity Buzzer	<100Ω	
Data Hold	✓	
Display Backlight	✓	
Low Battery Display	✓	
General		
Power Supply	3x 1.5V AAA Batteries	
Product Size	266mmx52mmx55mm 10.2" x 3.6" x 2.2"	
Product Weight	40kg	
Category	0.9b DE ETL CAT III 600V	

MS2010B



MASTECH®

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DIGITAL CLAMP METERS

MS2026/MS2026R

MS2026



MS2026R



47

AC CLAMP METER



Specifications	Range	Accuracy
DC Voltage	600mV/6V/60V	MS2026 ±(0.7%+3) ±(0.8%+2) ±(0.9%+3) ±(1%+4)
AC Voltage	600V	MS2026R ±(0.7%+3) ±(0.8%+2) ±(0.9%+3) ±(1%+4)
AC Current	6A/60A/600A/1000A	±(2.0%+6) ±(0.5%+3) ±(1.2%+3) ±(4.0%+3)
Resistance	60Ω/600Ω/6kΩ/60kΩ/6MΩ	±(2.0%+6) ±(0.5%+3) ±(1.2%+3) ±(4.0%+3)
Capacitance	40pF/400pF/4nF/40nF/400μF/1000μF	±(1.5%+5) ±(0.5%+3) ±(0.5%+3)
Frequency (From Clamp)	0~1kHz	±(1.5%+5) ±(0.5%+3)
Frequency (From Plug)	0~10MHz	±(0.5%+3) ±(0.5%+3)
Duty Cycle	10%~90%	±3.0%
Features	Counts	6000
Display	Display	Φ40mm/1.6"
Jaw Opening	Jaw Opening	Φ40mm/1.6"
Auto Ranging	Auto Ranging	✓
Manual Ranging	Manual Ranging	✓
Auto Power Off	Auto Power Off	✓
Diode	Diode	2.7V
Continuity Buzzer	Continuity Buzzer	<50Q
MAX/MIN	MAX/MIN	✓
Data Hold	Data Hold	✓
Low Battery Display	Low Battery Display	✓
Display Backlight	Display Backlight	✓
Work Light	Work Light	✓
True RMS	True RMS	True Root Mean Square Measurement
General	General	✓
Power Supply	Power Supply	3x1.5V AAA Batteries
Product Size	Product Size	225mmx86mmx35mm/ 8.9" x 3.4" x 1.3"
Product Weight	Product Weight	320g/0.7lb
Category	Category	CAT.III 600V

DIGITAL CLAMP METERS

MS2138/MS2138R

MS2138



MS2138R



48

AC/DC CLAMP METER



Specifications	Range	Accuracy
DC Voltage	400mV/4V/40V/400V	MS2138 ±(0.7%+3) ±(0.8%+2) ±(0.9%+3) ±(1%+4)
AC Voltage	400V/400V	MS2138R ±(0.7%+3) ±(0.8%+2) ±(0.9%+3) ±(1%+4)
AC Current	40A/400A/1000A	±(2.0%+6) ±(0.5%+3) ±(0.5%+3)
Resistance	40Ω/400Ω/4kΩ/40kΩ/4MΩ	±(2.0%+6) ±(0.5%+3) ±(1.2%+3) ±(4.0%+3)
Capacitance	40pF/400pF/4nF/40nF/400μF/1000μF	±(1.5%+5) ±(0.5%+3) ±(0.5%+3)
Frequency (From Clamp)	0~1kHz	±(1.5%+5) ±(0.5%+3)
Frequency (From Plug)	0~10MHz	±(0.5%+3) ±(0.5%+3)
Duty Cycle	10%~90%	±3.0%
Features	Features	✓
Display	Display	4000
Jaw Opening	Jaw Opening	Φ40mm/1.6"
Auto Ranging	Auto Ranging	✓
Manual Ranging	Manual Ranging	✓
Auto Power Off	Auto Power Off	✓
Diode	Diode	2.7V
Continuity Buzzer	Continuity Buzzer	<50Q
REL	REL	Relative measurement
Data Hold	Data Hold	✓
Low Battery Display	Low Battery Display	✓
Display Backlight	Display Backlight	✓
Work Light	Work Light	✓
True RMS	True RMS	True root mean square measurement
General	General	✓
Power Supply	Power Supply	3x1.5V AAA Batteries
Product Size	Product Size	225mmx84mmx33mm/ 8.9" x 3.3" x 1.3"
Product Weight	Product Weight	320g
Category	Category	CAT.III 600V

MASTECH®

DIGITAL CLAMP METERS

MS2138/MS2138R

MS2138



MS2138R



48

AC/DC CLAMP METER



Specifications	Range	Accuracy
DC Voltage	400mV/4V/40V/400V	MS2138 ±(0.7%+3) ±(0.8%+2) ±(0.9%+3) ±(1%+4)
AC Voltage	400V/400V	MS2138R ±(0.7%+3) ±(0.8%+2) ±(0.9%+3) ±(1%+4)
AC Current	40A/400A/1000A	±(2.0%+6) ±(0.5%+3) ±(0.5%+3)
Resistance	40Ω/400Ω/4kΩ/40kΩ/4MΩ	±(2.0%+6) ±(0.5%+3) ±(1.2%+3) ±(4.0%+3)
Capacitance	40pF/400pF/4nF/40nF/400μF/1000μF	±(1.5%+5) ±(0.5%+3) ±(0.5%+3)
Frequency (From Clamp)	0~1kHz	±(1.5%+5) ±(0.5%+3)
Frequency (From Plug)	0~10MHz	±(0.5%+3) ±(0.5%+3)
Duty Cycle	10%~90%	±3.0%
Features	Features	✓
Display	Display	4000
Jaw Opening	Jaw Opening	Φ40mm/1.6"
Auto Ranging	Auto Ranging	✓
Manual Ranging	Manual Ranging	✓
Auto Power Off	Auto Power Off	✓
Diode	Diode	2.7V
Continuity Buzzer	Continuity Buzzer	<50Q
REL	REL	Relative measurement
Data Hold	Data Hold	✓
Low Battery Display	Low Battery Display	✓
Display Backlight	Display Backlight	✓
Work Light	Work Light	✓
True RMS	True RMS	True root mean square measurement
General	General	✓
Power Supply	Power Supply	3x1.5V AAA Batteries
Product Size	Product Size	225mmx84mmx33mm/ 8.9" x 3.3" x 1.3"
Product Weight	Product Weight	320g
Category	Category	CAT.III 600V

MASTECH®

MS2008A



MS2008B



DIGITAL CLAMP METERS

MS2008A/MS2008B

AC MINI DIGITAL CLAMP METER



Specifications	Range	Accuracy	MS2008B
DC Voltage	200mV/2V/20V/200V	±(0.8%+2)	✓
	600V	±(1.0%+2)	✓
AC Voltage	400mV/4V/40V/400V	±(0.8%+2)	✓
	600V	±(1.0%+2)	✓
AC Current	20/200/200V	±(1.0%+1.5)	✓
	600V	±(1.2%+5)	✓
AC Current	400mV/4V/40V/400V	±(1.0%+1.0)	✓
	600V	±(1.2%+1.0)	✓
AC Current	2A/20A	±(6.0%+1.0)	✓
	4A/40A/400A	±(2.5%+1.0)	✓
Resistance	600Ω	±(1.5%+5)	✓
	200Ω/2KΩ/20KΩ/200KΩ/2MΩ	±(1.5%+5)	✓
Resistance	400Ω/4KΩ/40KΩ/400KΩ/4MΩ	±(2.0%+5)	✓
	20MΩ	±(1.2%+2)	✓
Capacitance	40nF	±(2.0%+1.5)	✓
	50nF/500nF/5μF/50μF/10μF	±(4.0%+1.0)	✓
Frequency	0 ~ 100kHz	±(1.5%+1.5)	✓
Duty Cycle	0.5% ~ 99.9%	±(2.0%+5)	✓
Temperature(°C)	-20°C ~ 750°C	±(2%+2)	✓
Features			
Display	Counts	2000	4000
Jaw Opening	Φ25mm/1.0"	Φ25mm/1.0"	✓
Auto Ranging	✓	✓	✓
Manual Ranging	✓	✓	✓
Auto Power Off	✓	✓	✓
Diode	2.7V	✓	✓
MAX	<50Ω	✓	✓
Work Light	✓	✓	✓
Display Backlight	✓	✓	✓
General			
Power Supply	3x1.5V AAAA Batteries	✓	✓
Product Size	208mmx78mmx35mm/ 8.2"x3.1"x1.4"	✓	✓
Product Weight	340g	✓	✓
Category	CAT III 600V	✓	CE ETL

49

DIGITAL CLAMP METERS

MS2107

AC/DC MINI-JAW CLAMP METER



MS2107



Specifications	Range	Accuracy
DC Voltage	400mV/4V/40V/400V/600V	±(0.8%+3)
	400mV/4V/40V/400V/600V	±(0.8%+3)
DC Current	4A/40A	±(0.5%+3)
	4A/40A	±(0.5%+3)
AC Current	400mA/4A/40A/400A/400A/400A	±(0.8%+3)
	400mA/4A/40A/400A/400A/400A	±(0.8%+3)
Resistance	400Ω	±(1.2%+3)
	400Ω	±(1.2%+3)
Features		
Display	4000 counts	
Jaw Opening	Φ72.5mm/2.9"	✓
Auto Ranging	✓	✓
Manual Ranging	✓	✓
Auto Power Off	✓	✓
NCV	Non-Contact Voltage Detection	✓
Diode	2.7V	✓
Continuity Buzzer	<50Ω	✓
Data Hold	Zero Adjustment for DC Current Measurement	✓
Display Backlight	✓	✓
Low Battery Display	✓	✓
Work Light	✓	✓
General		
Power Supply	3x1.5V AAAA Batteries	✓
Product Size	213mmx78mmx35mm/8.4"x3.1"x1.4"	✓
Product Weight	310g/0.8lb	✓
Category	CE CAT. III 600V	✓

50

MASTECH®

MS2108



MS2108A



DIGITAL CLAMP METERS

MS2108/MS2108A

AC/DC MINI DIGITAL CLAMP METER



Specifications	Range	Accuracy
DC Voltage	660mV/6.6V	MS2108 ±(0.5% +3) MS2108A ±(1.0% +5)
	400mV/4V	±(0.8% +3) ±(1.0% +5)
AC Voltage	660mV	±(1.5% +10)
	6.6V/66V	±(1.5% +5) ±(1.5% +10)
DC Current	4V/40V/400V	±(0.8% +3) ±(1.0% +5)
	66A/600A	±(5.0% +10)
AC Current	40A/400A	±(2.0% +8)
	40A/400A	±(5.0% +10) ±(2.0% +8)
Instant Current (100ms)	660A/660A	±(1.0% +6)
	660A/660A	±(1.5% +2) ±(2.0% +5)
Resistance	660Ω/6.6KΩ/66KΩ/660KΩ	±(0.8% +3) ±(1.2% +3)
	40KΩ/400KΩ/4MΩ/40MΩ	±(4.0% +3)
Capacitance	6.6nF/66nF/660nF/6.6μF/66μF	±(1.5% +5) ±(1.5% +5)
	400nF/4μF/40μF/400μF/4000μF	±(1.5% +5) ±(1.5% +5)
Frequency (From Clamp)	0~1kHz	±(1.5% +5)
	0~10kHz	±(1.5% +5)
Frequency (From Plug)	0~10kHz	±(1.5% +5)
	0~10MHz	±(1.5% +5)
Duty Cycle	10%~90%	±3.0%
Features		
Display	Counts	6600
Jaw Opening		Φ26mm/1.0"
Auto Ranging		✓
Manual Ranging		✓
Auto Power Off		✓
Inrush		✓
True RMS	Integration Time: 100ms	✓
REL	True Root Mean Square Measurement	✓
Continuity Buzzer	Relative Measurement	✓
MAX/MIN	<50Q	✓
Data Hold	2.7V	✓
Low Battery Display		✓
Display Backlight		✓
Work Light		✓
General		
Power Supply	3 x 1.5V AAA Batteries	✓
Product Size	208mm x 79mm x 33mm/ 8.2" x 3.1" x 1.4"	✓
Product Weight	340g/0.7lb	✓
Category	CAT III 600V	CE ETL

DIGITAL CLAMP METERS

MS2015A/MS2015B

AC CLAMP METER



Specifications	Range	Accuracy
DC Voltage	60mV/600mV/6V/60V/600V	MS2015A ±(0.7% +3) MS2015B ±(0.5% +3)
	600mV/6V/60V/600V	±(0.8% +2) ±(0.8% +2)
AC Voltage	60mV/600mV/6V/60V/600V	±(0.8% +3) ±(0.8% +3)
	600mV/6V/60V/600V	±(1% +4) ±(1% +4)
AC Current	60A/600A/1000A	±(2.0% +9) ±(2.0% +9)
	60A/600A/1000A	±(1.5% +3) ±(1.5% +3)
Resistance	600Ω/6KΩ/60KΩ/600KΩ/6MΩ	±(0.8% +3) ±(1.2% +3)
	60MΩ	±(4.0% +5)
Capacitance	10nF/100nF/1000nF/10μF/100μF/1000μF/10mF	±(1.5% +5) ±(1.5% +5)
	66nF/660nF/6.6μF/66μF/660μF/6.6mF	±(1.5% +5) ±(1.5% +5)
Frequency (From Clamp)	0~10kHz	±(1.5% +5)
	0~10MHz	±(0.5% +3)
Logic Frequency	0~10MHz	±(1.5% +5)
	0~56MHz	±(0.5% +3)
Duty Cycle	10%~50%	±3.0%
	10%~50%	±(1% +4) ±(2% +4)
Temperature (°C)	-20°C~100°C	±3.0%
	-4°F~183.2°F	±(2% +4)
Features		
Display	Counts	6000
Jaw Opening		Φ40mm/1.6"
Auto Ranging		✓
Manual Ranging		✓
Auto Power Off		✓
REL	Relative Measurement	✓
Diode	2.7V	✓
Continuity Buzzer	<50Q	✓
MAX/MIN		✓
Data Hold		✓
Display Backlight		✓
Work Light		✓
True RMS	True Root Mean Square Measurement	✓
NCV	Non-Contact Voltage Detector	✓
General		
Power Supply	1 x 9V 6F22 Battery	✓
Product Size	238 x 62 x 50 / 9.4" x 2.4" x 2.0"	✓
Product Weight	94g x 3.6" x 2.0" 94g x 3.6" x 2.0"	340g
Category	CAT III 1000V CAT IV 600V	CE

MASTECH®

MS2015A



MS2015B



MASTECH®

MS2115A



MS2115B



54

DIGITAL CLAMP METERS

MS2115A/MS2115B

AC/DC CLAMP METER



Specifications	Range	Accuracy
DC Voltage	60mV/600mV/6V/60V/600V	MS2115A ±(0.7% +3)
	600mV/60mV/600V	MS2115B ±(0.5% +3)
AC Voltage	60mV/600mV/6V/60V/600V	±(0.8% +2) ±(0.8% +2)
	600mV/60mV/600V	±(0.8% +3) ±(0.8% +3)
DC Current	60mA/600mA/1000A	±(1% +4) ±(2.5% +6)
	60A/600A/1000A	±(0.3% +3) ±(2.5% +6)
AC Current	60mA/600mA/1000A	±(1.0% +5) ±(0.8% +3)
	600A/600A/1000A	±(1.5% +5) ±(1.5% +5)
Resistance	60Ω/2.6kΩ/26kΩ/260kΩ/2.6MΩ	±(1.2% +3) ±(1.5% +3)
	60MΩ	±(4.0% +5)
Capacitance	10nF/100nF/1000nF/10μF/100μF/1000μF/10mF/100mF	±(4.0% +3)
	6nF/60nF/600nF/6μF/60μF/600μF/60mF	±(1.5% +5) ±(1.5% +5)
Frequency (from Clamping)	0 ~ 100kHz	±(0.5% +3)
Frequency AC Voltage	0 ~ 60MHz	±(0.5% +3)
Logic Frequency	0 ~ 60MHz	±(0.5% +3)
Duty Cycle	10% ~ 90%	±3.0%
Features		
Display	Counts	6000
Jaw Opening	Auto Ranging	φ40mm/1.6"
Auto Ranging	Manual Ranging	φ40mm/1.6"
Manual Ranging	Auto Power Off	✓
Auto Power Off	Relative Measurement	✓
REL	MAX/MIN	✓
Diode	Continuity Buzzer	✓
Continuity Buzzer	2.7V	✓
MAX/MIN	Relative Measurement	✓
Data Hold	<50Ω	✓
Display Backlight	✓	✓
Low Battery Display	✓	✓
Work Light	✓	✓
True RMS	✓	✓
NCV	True Root Mean Square Measurement	✓
Inrush	Non-Contact Voltage Detector	✓
USB interface	Inrush Current Measurement	✓
Windows OS	✓	✓
General		
Power Supply	1×9V 6F22 Battery	✓
Product Size	233×92×50 238×92×50	✓
Product Weight	mm	84×3.6×2.0 84×3.5×2.0
	Inch	40g 40g
Category	CAT III 1000V CAT IV 600V	CE

DIGITAL CLAMP METERS

MS2001/MS2001C/MS2101

DIGITAL CLAMP METER



Specifications	Range	Accuracy
DC Voltage	400mV/4V/40V/400V	MS2001 ±(1.0% +2)
	1000V	MS2001C ±(1.0% +2)
AC Voltage	4V/40V/400V/700V	±(1.0% +5) ±(1.0% +5)
	750V	±(1.0% +5) ±(1.0% +5)
DC Current	400A/1000A	±(2.0% +5) ±(2.0% +5)
	1000A	±(2.0% +7) ±(2.0% +7)
AC Current	400A/1000A	±(1.0% +3) ±(1.0% +3)
	400A/400A/2000A/4000A/4MΩ	±(1.2% +1) ±(2.0% +3)
Resistance	40kΩ	±(2.0% +3)
	400A/400A/2000A/4000A/4MΩ	±(2.0% +1) ±(2.0% +1)
Capacitance	40nF/400nF/4000nF/40μF/400μF	±(2.0% +1) ±(2.0% +1)
	40nF/400nF/4000nF/40μF/400μF	±(2.0% +1) ±(2.0% +1)
Frequency	1% ~ 99%	±(1% +5)
Duty Cycle	40°C ~ 750°C	±(1% +5)
Temperature(°C)	Counts	2000
Display	Auto Ranging	φ42mm/1.7"
Jaw Opening	REL	φ42mm/1.7"
Auto Ranging	Relative Measurement	✓
REL	2.7V	✓
Diode	Continuity Buzzer	✓
Continuity Buzzer	<50Ω	✓
Data Hold	Display Backlight	✓
Display Backlight	General	✓
Power Supply	1×9V 6F22 1×9V 6F22	1×9V 6F22
Product Size	250×89×43 250×89×43	250×89×43
Product Weight	mm	88×3.9×1.7 88×3.9×1.7
	Inch	480g/1.1lb 480g/1.1lb
Category	CAT II 1000V	CE

MS2001



MS2001C



54

MASTECH®

M266



M266C



M266F



DIGITAL CLAMP METERS

M266/M266C/M266F

AC DIGITAL CLAMP METER



Specifications	Range	Accuracy	M266	M266C	M266F
DC Voltage	20mV 2V/20V/200V 1000V		±(0.5%+1) ±(0.5%+3) ±(0.5%+3)	±(0.5%+1) ±(0.5%+3) ±(0.5%+3)	±(0.5%+1) ±(0.5%+3) ±(0.5%+3)
AC Voltage	200V 750V		±(1.0%+3) ±(1.2%+3)	±(1.0%+3) ±(1.2%+3)	±(1.0%+3) ±(1.2%+3)
AC Current	20A 1000A		±(4.0%+5) ±(2.5%+5)	±(4.0%+5) ±(2.5%+5)	±(4.0%+5) ±(2.5%+5)
Resistance	200Ω/20KΩ 200Ω/2KΩ/20KΩ/2MΩ		±(1.0%+6) ±(1.0%+6)	±(1.0%+6) ±(1.0%+6)	±(1.0%+6) ±(1.0%+6)
Frequency	2kHz			±(1.0%+8)	±(2.0%+5)
Temperature(°C)	0°C~750°C				
Temperature(°F)	32°F~1400°F			±(2.0%+2) ±(2.0%+4)	
Features					
Display	Counts	2000	2000	2000	2000
Jaw Opening	With optional 300V insulation tester unit	ø65mm/2.0"	ø50mm/2.0"	ø50mm/2.0"	ø50mm/2.0"
Diode	2.7V	✓	✓	✓	✓
Continuity Buzzer	<50Ω	✓	✓	✓	✓
Date Hold		✓	✓	✓	✓
General					
Power Supply	1×9V 6F22 Battery	✓	✓	✓	✓
Product Size	mm	285×95×48	235×96×46	235×96×46	235×96×46
Product Weight	lb	0.37	0.38	0.38	0.38
Product Weight	kg	0.17	0.18	0.18	0.18
Category	CAT.II 1000V	CE ETL			CE ETL

DIGITAL CLAMP METERS

M2600

DIGITAL OPEN JAW CLAMP METER



Specifications	Range	Accuracy
DC Voltage	147/40V/100V 1000V	±(0.5%+1) ±(0.5%+3)
AC Voltage	147/40V/100V 700V	±(0.5%+3) ±(0.5%+3)
AC Current	200A 4000/4KΩ/4MΩ/40MΩ/400A	±(0.5%+10) ±(0.5%+3)
Resistance	40MΩ	±(0.2%+1)
Capacitance	40nF/400nF/4μF/40μF	±(0.5%+10)
Frequency	0~100kHz	±(2.0%+1)
Duty Cycle	10%~80%	±3.0%
Features		
Display	4000 counts	
Jaw Opening	ø12mm/0.5"	
Auto Ranging	✓	
Manual Ranging	✓	
Auto Power Off	✓	
REL	Relative Measurement	
Diode	2.7V	
Continuity Buzzer	<50Ω	
Date Hold	✓	
Display Backlight	✓	
Low Battery Display	✓	
General		
Power Supply	1×9V 6F22 Battery	
Product Size	152mmx68mmx43mm/7.6"×2.7"×1.7"	
Product Weight	235g/0.5lb	
Category	CE ETL CAT.III 600V	

M2600



MASTECH®



MASTECH®

MS3300



MS3302



DIGITAL CLAMP METERS

MS3300/MS3302

AC/DC CLAMP TRANSDUCER



EMC LVD

Specifications	Range	Accuracy
DC Current	2000A	MS3300 ±(3.0% +5)
AC Current	2000A (TRMS) 500A	MS3302 ±(3.0% +5)
Features	955mm 110V/120V/AC 40A, 110V/110V/AC 110V/120V/AC 600A, 110V/110V/AC	±(2.0% +5)
Jaw Opening	26mm	
General		
Power Supply	1×9V 6F22	N/A
Product Size	256×104×47 mm 10.1×4.1×1.9 in	185g/0.4lb
Product Weight	520g/1.1lb	CE
Category	CAT II 600V	CE

INFRARED THERMOMETERS

MS6540A/MS6540B

NON-CONTACT INFRARED THERMOMETERS



EMC CE

Specifications	MS6540A	MS6540B
Temperature Range	-37°C-850°C -25°F-1552°F	-32°C-1050°C -25°F-1922°F
Temperature Accuracy	>510°C ±1.5% 50°C-510°C ±(1.5%+1%) 15°C-50°C ±(1.5%+2%) -32°C-15°C ±1.5% -32°C-15°C ±1.5%	>510°C ±1.5% 50°C-510°C ±(1.5%+1%) 15°C-50°C ±(1.5%+2%) -32°C-15°C ±1.5% -32°C-15°C ±1.5%
Temperature Resolution	±0.1°C/±0.1°F	±0.1°C/±0.1°F
Repeatability	±0.3°C/±0.5%	±0.3°C/±0.5%
Distance to Spot (D:S)	30:1	30:1
C/F Selection	✓	✓
Emissivity	Digitally Adjustable from 0.10 to 1.00 by 0.01	✓
Response Time	500ms	500ms
Laser Target Pointer	✓	✓
Data Logging	100 groups	100 groups
Ranging Hold	✓	✓
MAX, MIN, DIFF, AVG	✓	✓
Temperature Alarm Setting	✓	✓
Display Backlight	✓	✓
Low Battery Display	✓	✓
General Characteristics		
Power Supply	1×9V 6F22 Battery	1×9V 6F22 Battery
Product Size	140mm×56mm×190mm/ 5.5×2.2×7.5	140mm×56mm×190mm/ 5.5×2.2×7.5
Product Weight	500g/1.1lb	500g/1.1lb
Certificate	CE	CE



MS6540A



MS6540B



MASTECH®

INFRARED THERMOMETERS

MS6550A/MS6550B

NON-CONTACT INFRARED THERMOMETERS



MS6550A



MS6550B



Specifications	MS6550A	MS6550B
Temperature Range	-32°C ~ 1200°C -25°F ~ 2092°F	-32°C ~ 1850°C -25°F ~ 3092°F
Temperature Accuracy	±1.0°C 50°C ~ 510°C ±1.5% 510°C ~ 910°C ±1.5%+1°C 910°C ~ 310°C ±1.5%+2°C 310°C ~ 15°C ±1.5%+2°C -32°C ~ 15°C ±3°C	±1.5% 50°C ~ 510°C ±1.5%+1°C 510°C ~ 910°C ±1.5%+2°C 910°C ~ 310°C ±1.5%+2°C 310°C ~ 15°C ±3°C
Temperature Resolution	0.1°C/0.1°F	0.1°C/0.1°F
Repeatability	±0.5°C/±0.5°F	±0.5°C/±0.5°F
Distance to Spot (D:S)	50:1	50:1
Emissivity	Digitally Adjustable From 0.00 to 1.00 By 0.01	0.01 ~ 0.95
Response Time	500ms	500ms
Laser Target Pointer	✓	✓
Reading Hold	✓	✓
MAX. MIN./DE.AVG	✓	✓
Temperature Alarm Setting	✓	✓
Display backlight	✓	✓
Low Battery Display	✓	✓
K-type Temperature Range	-40°C ~ -137°C -40°F ~ -298°F	-40°C ~ -137°C -40°F ~ -298°F
K-type Temperature Accuracy	±(1.5%+1°C)	±(1.5%+1°C)
USB Interface (Windows DS)	✓	✓
General Characteristic	1×9V 6F22 Battery	1×9V 6F22 Battery
Power Supply	140mm×56mm×190mm/ 5.5"×2.2"×7.5"	140mm×56mm×190mm/ 5.5"×2.2"×7.5"
Product Size	500g/1.1lb	500g/1.1lb
Product Weight	CE	CE
Certificates		

59

MASTECH®

INFRARED THERMOMETERS

MS6520A/MS6520B/MS6520C

NON-CONTACT INFRARED THERMOMETERS



MS6520A



MS6520B



MS6520C



Specifications	MS6520A	MS6520B	MS6520C (Surface + Human Body)
Temperature Range	-20°C ~ 300°C ±(1.5%+2°C) -4°F ~ 572°F ±(1.5%+4°F)	-20°C ~ 300°C ±(1.5%+2°C) -4°F ~ 572°F ±(1.5%+4°F)	Surface: 0 ~ 100°C Body: 30°C ~ 42°C ±(0.5°C) 86°F ~ 108°F ±(0.9°F)
Temperature Resolution	±0.1°C/±0.1°F	±0.1°C/±0.1°F	±0.1°C/±0.1°F
Repeatability	±1°C	±1°C	±1°C/Body: ±0.1°C
Distance to Spot (D:S)	10:1	10:1	10:1/Body
°C/°F Selection	✓	✓	✓
Emissivity	0.05	0.05	5 ~ Body/Distance
Response Time	1 second	1 second	1 second
Laser Target Pointer	✓	✓	✓
Reading Hold	✓	✓	✓
MAX. MIN./AVG	✓	✓	only MAX
Display backlight	✓	✓	✓
Low Battery Display	✓	✓	✓
General	1×9V 6F22 Battery	1×9V 6F22 Battery	1×9V 6F22 Battery
Power Supply	142mm×56mm×17mm/ 5.6"×3.8"×1.9"	142mm×52mm×17mm/ 5.6"×3.6"×1.9"	142mm×56mm×17mm/ 5.6"×3.6"×1.9"
Product Size	135g/0.3lb	135g/0.3lb	135g/0.3lb
Product Weight	CE	CE	CE
Category			

60

MASTECH®

INFRARED THERMOMETERS

MS6518

NON-CONTACT INFRARED THERMOMETERS (BODY, FOREHEAD)



MS6518

Specifications	
Temperature Range	30°C ~ -22°C = (0 ~ 4°C)
Temperature Resolution	0.1°C / 0.1°F ± (0.7°F)
Repeatability	±0.1°C / ±0.1°F
Measurement Distance	5 ~ 15cm
°C / °F Selection	✓
EMISIVITY	0.98
Response Time	1 second
Reading Hold	10 groups
Temperature Alarm Setting	✓
Display Backlight	✓
Low Battery Display	✓
General	
Power Supply	1 x 9V 6F22 Battery
Product Size	144mm x 87mm x 42mm / 2.7" x 3.4" x 1.7"
Product Weight	170g / 0.4lb
Category	CE



CIRCUIT TESTERS

MS5910

RCD/LOOP TESTER

MS5910

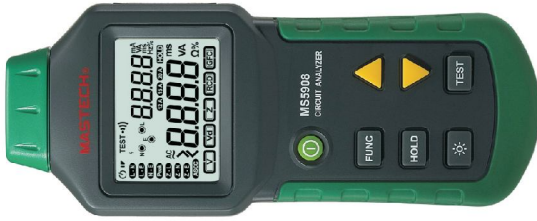


Specifications	Range	Accuracy	Resolution
Tripping Time	> 1 LAMSD (slow 50ms)	±3ms	0.1ms
Tripping Current	x5 LAMSD (slow 50ms) (0.2-1.11A)N	±0.1 IAN ±(10%±0.2%)	0.05 IAN
Contact Voltage	0 ~ 96.9V	±(3%±0.5 + 3V)	0.01 0.1V
Alternating Voltage (U~N, U~L, U~E)	0 ~ 440V	±1Hz	1V
Frequency	DC: 45 ~ 65Hz	±(10%±0.12%)	THz
Loop Resistance (RL)	0.1 ~ 2000 Ω	±(10%±0.12%)	0.1 Ω
RL Current Test	0.5 IAN	±(10%±0.12%)	0.05 IAN
Multiplying Power of Measuring Current	x0.5 x1 x5		
Current Level (IAN)	10mA, 30mA, 100mA, 300mA, 500mA		
Trigger Phase Angle	0° or 180°		
Features			
Data Logging	1000 groups		
Fast/Slow Backlight	Fast/Slow Testing of 10, 30, 100, 300, 500mA		
USB Interface	Windows OS		
General			
Power Supply	6 x 1.5V AAA Batteries		
Product Size	200mm x 150mm x 76mm / 7.9" x 5.1" x 3.0"		
Product Weight	500g / 1.1lb		
Category	CE CAT III 300V		



MASTECH®

MS5908



CIRCUIT TESTERS

MS5908

CIRCUIT ANALYZER



EMC
LVD

Specifications	Range	Resolution	Accuracy
Line Voltage Measurement	80-265.0V	0.1V	$\pm(0.5\%+0.2V)$
Resist - Ground Measurement	0.0-10.0V	0.1V	$\pm(0.5\%+0.2V)$
Peak Line Voltage Measurement	121.0-374.0V	0.1V	$\pm(0.5\%+0.2V)$
Line Frequency Measurement	45.0-65.0Hz	0.1Hz	$\pm(0.5\%+0.2Hz)$
% Voltage Drop Measurement	0.1%-98.9%	0.1%	$\pm(2.5\%+0.2\%)$
Voltage Measurement with Loading Equipment	10.0-265.0V	0.1V	$\pm(2.5\%+0.2V)$
Impedance - Live, Neutral & Earth	0.00-3.00 Ω	0.01 Ω	$\pm(2.5\%+0.02\Omega)$
RCD Trip Time	1ms-6.50ms	1ms	$\pm(1.0\%+2ms)$
RCD Trip Current	30mA	0.1mA	$\pm(1.0\%+0.2mA)$
GFCI Trip Time	1ms-6.50ms	1ms	$\pm(1.0\%+2ms)$
GFCI Trip Current	6mA	0.1mA	$\pm(1.0\%+0.2mA)$
General	6x1.5V AAA Batteries		
Power Supply	195mmx78mmx30mm/7.5" x 3.1" x 1.3"		
Product Size	295g/0.7lb		
Product Weight	CE CAT.II 1600V		
Category			



CIRCUIT TESTERS

MS5902

CIRCUIT BREAKER FINDER

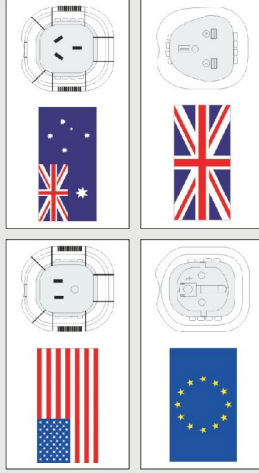


EMC
LVD



MS5902

Specifications	Specifications
MS5902R + MS5902T	Quickly and Easily Identifying faulty dual circuit breakers. Works in MS5902T without Disrupting Power.
MS5902T (Socket Tester Mode)	Correct Missing earth LED indicating Conditions of Circuit Socket Live-neutral reverse Missing neutral
Works Light at the Head of MS5902R	Pointing to the Target Area.
Low Battery Indication	1 x 8V CR22 Battery
Power Supply	CE CAT.II 600V
Category	



MASTECH®



MS6860B



MS6860C



MS6860D



MS6860E



CIRCUIT TESTERS

MS6860B/MS6860C/MS6860D/MS6860E

SOCKET TESTER



Specifications	
Voltage Range	100V – 230V
LED Indicating Conditions of Circuit Socket	Correct Missing Earth Live-Earth Reverse Live-Neutral Reverse Missing Neutral
Category	CE CAT II 100V

PROCESS CALIBRATORS

MS7212

40000 COUNTS MULTI-FUNCTIONS PROCESS CALIBRATOR



MS7212

MASTECH®

Specifications

Multimeter Functions	Range	Accuracy
DC Voltage	400mV/4V/40V/300V	±(0.025% +5)
AC Voltage	400mV/4V/40V/300V	±(0.8% +10)
DC Current	400mA	±(0.1% +10)
AC Current	400mA	±(0.7% +10)
Resistance	400Ω/4KΩ/40KΩ/400KΩ	±(0.1% +10)
Frequency	4Hz – 99.99Hz	±0.05Hz
	100Hz – 5kHz	±0.5Hz
	5kHz – 30kHz	±2Hz
Temperature (°C)	-50°C – 1300°C	±(0.3% +1°C)
Source Output		
DC Voltage Output	100mV/5V/15V	±0.025%
DC Current Output	25mA	±0.01%
Frequency Output	20Hz – 5000Hz	±0.02%
Features		
Data Logging	40000 counts	
Auto Ranging	✓	
Manual Ranging	✓	
Relative Measurement	✓	
Continuity Buzzer	<50Ω	
MAX/MIN	✓	
Display Backlight	✓	
Date Hold	✓	
USB Interface	Windows OS	
General		
Power Supply	1 x 9V Battery & 8 x 1.5V AA Batteries	
Product Size	224mm x 172mm x 56mm (8.8" x 6.8" x 2.3")	
Product Weight	1100g (2.4lb)	
Category	CE CAT II 100V	



MASTECH®

MS7220



PROCESS CALIBRATORS

MS7220/MS721

PROCESS CALIBRATOR



Specifications	MS7220 Thermocouple Calibrator	Thermocouple Measurement	Thermocouple Simulation
Technical Specifications	Temperature Range	-200°C ~ -1800°C -328°F ~ -3272°F	-200°C ~ -800°C -328°F ~ -3272°F
	Resolution	0.1°C/0.1°F/0.01mV °C: ±(0.5°C+100μV) °F: ±(0.5°F+10μV) mV: ±(0.025%+2)	0.1°C/0.1°F/0.01mV °C: ±(0.5°C+100μV) °F: ±(0.5°F+10μV) mV: ±(0.025%+2)
Accuracy			
Special Functions	Description	Accuracy/Standerd ±0.2°C	
	TC Type Selection	Types: J, K, T, E, R, S, B, N, Ni175/ITS-90	
General	TC Type Selection	Optional Temperature Unit Selection	
	Power Supply	9VDC, 0.06F or 1604	
Product Size	Product Size	190mm×89mm×42mm/7.5"×3.5"×1.7"	
	Product Weight	350g/0.3lb	
Category	CE		

MS721



Specifications	MS721 Voltage/mA Calibrator	Input (Measurement)	Source output
DC Voltage	Range	0 ~ 1.0mV, 0 ~ 10V	0 ~ 10mV, 0 ~ 10V
	Resolution	0.01mV, 0.001V	0.01mV, 0.001V
Accuracy		±(0.02%+2)	±(0.02%+2)
DC Current (mA)	Input (Measurement)	0 ~ 24mA	0 ~ 24mA
	Resolution	0.001mA	0.001mA
Accuracy		±(0.015%+4)	±(0.015%+4)
General	Power Supply	9VDC, 0.06F or 1604	
	Product Size	190mm×89mm×42mm/7.5"×3.5"×1.7"	
Product Weight	Product Weight	350g/0.3lb	
	Category	CE	



PROCESS CALIBRATORS

MS7222

RTD CALIBRATOR (RESISTANCE TEMPERATURE DETECTOR)



(RTD or Ohm) Measurement / Simulation	Range	Resolution	Accuracy
PT100/PT1000/PT200/PT500 PL1000/GBS/PL1000/JIS	0Ω to 3200Ω	0.1Ω	0.1Ω/0.1Ω
Special Functions			
RTD Type Selection			
Power Supply	9VDC, 0.06F or 1604		
Product Size	190mm×89mm×42mm/7.5"×3.5"×1.7"		
Product Weight	350g/0.8lb		
Certificate	CE		



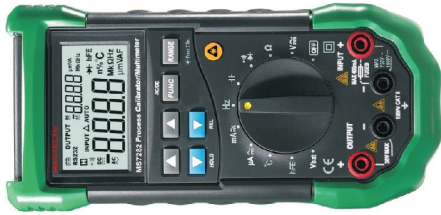
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MS7222



MASTECH®

MS7282



PROCESS CALIBRATORS

MS7282

MULTI-FUNCTIONS PROCESS CALIBRATOR



EMC LVD

Specifications	
DC Voltage	0-100mV(0-1V±(0.1%+5))
DC Current	0-327mA(0.1%+5)
Frequency	10.00Hz-10.00kHz±5 digit
Measurement (Input)	
DC Voltage	0-1000V
AC Voltage	0-700V
DC Current	0-400mA
AC Current	0-400mA
Resistance	0-400kΩ
Capacitance	0-200.0μF
Frequency	0-5.000MHz
Special Functions	
Auto Ranging	✓
temperature (°C)	✓
Diode	✓
Continuity Buzzer	✓
hFE	✓
Data Hold	✓
Display Backlight	✓
Category	CE CAT II 1000V



PROCESS CALIBRATORS

MS7207

LOOP CALIBRATOR



EMC LVD



Specifications	
DC Current	0-20mA±(0.025%+2)
Measurement (Input)	4-20mA±(0.025%+2)
DC Voltage	0-25.000V±(0.025%+4)
DC Current	0-25.000mA±(0.025%+4)
Special Functions	
Display Backlight	✓
Category	CE CAT III 300V



MASTECH®

MS7287



PROCESS CALIBRATORS

MS7287

MULTI-FUNCTIONS PROCESS CALIBRATOR



Specifications	Range	Accuracy
Loop Calibration (Output)		
DC Current Output	0-20.00mA	±(0.03%+5)
(Source mod., 20mA at 1kΩ)	4-20.00mA	±(0.03%+5)
Power Battery	0-25.00mA	±(0.03%+5)
DC Volt Output	0-20.00mV	±(0.03%+1.5)
(Source mod., 20mA at 1kΩ)	4-20.00mV	±(0.03%+1.5)
Power Compliance Voltage	0-25.00mA	±(0.03%+1.5)
Compliance Voltage	12V-32V	±(0.03%+1.5)
Compliance Voltage	Manual Coarse Adjustment (1mA), Fine Adjustment (0.000 mA) & Step 25% Auto: Slow Smooth Ramp, Fast Smooth Ramp, Slow Smooth Rate	
Fast Smooth Rate		
Loop Calibration (Output)		
DC Voltage	0-1000V	±(0.1%+5)
AC Voltage	0-700V	±(1%+5)
DC Current	0-40mA	±(0.03%+5)
AC Current	0-1A	±(0.2%+5)
AC Current	0-40mA	±(1%+5)
Resistance	0-1A	±(5%+5)
Frequency	0-40KHz	±(0.2%+10)
Special Functions		
Auto Ranging	✓	
Manual Ranging	✓	
MAX/MIN/AVG	✓	
REL	✓	
Relative Measurement	✓	
Data Hold	✓	
Display Backlight	✓	
Category	CE CAT III 1000V	



LCR METERS

MY6013A/MY6243

MY6013A CAPACITANCE METER MY6243 DIGITAL C/L METER



Specifications	Range	Accuracy
Capacitance	200pF/2nF/20nF/200nF/2μF/20μF/200μF/2000μF	MY6013A ±0.5% MY6243 ±1.0% ±2.0%
Inductance	2nH/20nH/200nH/2μH/20μH/200μH/2000μH	±2.0% ±2.0% ±5.0%
General		
Power Supply	1.5x9V 6F22 Battery	✓
Product Size	158mm x 91mm x 31.5mm 7.8" x 3.6" x 1.2"	✓
Product Weight	300g/0.7lb	✓
Certification		CE

MS6243



MASTECH®

MY6013A

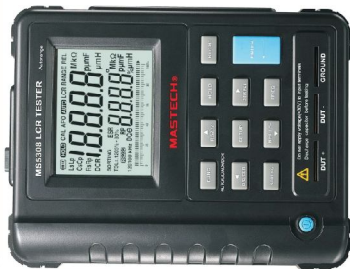


MASTECH®

LCR METERS

MS5308

AUTORANGING DIGITAL LCR TESTER



MS5308



Resistance Measurement			Capacitance Measurement			Inductance Measurement		
Frequency	Range	Resolution	Accuracy	Range	Resolution	Accuracy	Range	Resolution
100Hz-120Hz	200.0Ω	0.01Ω	1.0%+5d	100pF-20.000nF	1pF	1.0%+5d	100μH-20.000mH	1μH
100Hz-120Hz	2.000KΩ	0.1Ω	0.3%+5d	100nF-20.000nF	0.01nF	0.5%+5d	100μH-20.000mH	0.01mH
100Hz-120Hz	20.000KΩ	1Ω	0.3%+5d	1000pF-20.000nF	0.1nF	0.5%+5d	1000μH-20.000mH	0.1mH
100Hz-120Hz	200.00KΩ	0.01KΩ	0.5%+5d	10000pF-20.000nF	1nF	0.5%+5d	10000μH-20.000mH	1mH
100Hz-120Hz	2.000MΩ	0.1KΩ	1.0%+5d	100000pF-20.000nF	0.01μF	1.0%+5d	100000μH-20.000mH	0.01H
100Hz-120Hz	20.000MΩ	1MΩ	1.0%+5d	1000000pF-20.000nF	0.1μF	2.0%+5d	1000000μH-20.000mH	0.1H
1kHz	200.0Ω	0.001Ω	1.0%+5d	18Hz-2000.0pF	0.1pF	1.0%+5d	2000.0μH	0.1μH
1kHz	200.0KΩ	0.1Ω	0.3%+5d	18Hz-2000.0nF	1pF	1.0%+5d	2000.0mH	1μH
1kHz	2.000KΩ	1Ω	0.3%+5d	18Hz-2000.0μF	0.01μF	0.5%+5d	2000.0mH	0.1mH
1kHz	20.000KΩ	0.01KΩ	0.5%+5d	18Hz-20.000pF	1nF	0.5%+5d	20.000mH	1.0%+5d
1kHz	200.00KΩ	0.1KΩ	1.0%+5d	18Hz-20.000nF	0.01μF	1.0%+5d	20.000mH	0.01H
1kHz	2.000MΩ	1KΩ	2.0%+5d	18Hz-2000.0pF	0.1pF	1.0%+5d	2000.0μH	0.01mH
10kHz	20.00Ω	0.001Ω	1.0%+5d	10kHz-2000.0pF	0.01pF	1.0%+5d	2000.0μH	0.01mH
10kHz	200.0Ω	0.01Ω	0.5%+5d	10kHz-2000.0nF	1nF	1.0%+5d	2000.0mH	0.1mH
10kHz	2.000KΩ	0.1Ω	0.3%+5d	10kHz-2000.0μF	0.01μF	1.0%+5d	2000.0mH	0.01mH
10kHz	20.00KΩ	1Ω	1.0%+5d	10kHz-2000.0pF	0.1pF	1.0%+5d	2000.0μH	0.01mH
10kHz	200.0KΩ	0.01KΩ	1.0%+5d	10kHz-2000.0nF	0.01nF	1.0%+5d	2000.0mH	0.01mH
10kHz	2.000MΩ	0.001KΩ	1.0%+5d	10kHz-2000.0μF	0.1μF	1.0%+5d	2000.0mH	0.01mH
10kHz	20.00MΩ	0.01KΩ	1.0%+5d	10kHz-2000.0pF	1pF	1.0%+5d	2000.0μH	0.01mH
10kHz	200.0MΩ	0.1KΩ	1.0%+5d	10kHz-2000.0nF	0.1nF	1.0%+5d	2000.0mH	0.01mH
10kHz	2.000GΩ	0.1KΩ	1.0%+5d	10kHz-2000.0μF	0.01μF	1.0%+5d	2000.0mH	0.01mH

Special Functions
 Auto LCR smart check and measurement
 Dual display: 2000 counts and 2000 counts
 Series and Parallel measurement mode are selectable
 Support DCR mode
General Characteristics
 Power Supply: 8×1.5 AA Batteries & 1×CV6/E6
 Product Size: 224mm×172mm×58mm
 CE

ELECTRICAL TESTERS

MS8906

VOLTAGE/CONTINUITY TESTER



MS8906

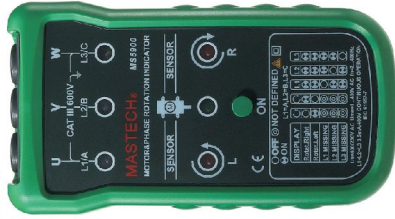


Specifications	
Voltage Test Ranges:	12V - 800V AC/DC
LED Voltage Indication Points:	12V/24V/48V/110V/220V/300V/480V/600V
Voltage Polar Indication:	(AC/DC)
Continuity Check	
Work Light	
Single Probe Test: Live Circuit Detection	
Phase Sequence Test (Three Phase AC)	
Working Current:	0.5mA
General	
Power Supply	2×1.5V AAA Batteries
Product Size	145mm×67mm×38mm/5.7"×2.6"×1.4"
Product Weight	235g/0.5lb
Category	CE EIL CAT III 600V



MASTECH®

MS5900



ELECTRICAL TESTERS

MS5900

THREE PHASE ROTATION INDICATOR



EMC LVD

Specifications	Description
Operating Voltage	720V ~ 400V AC
Current Consumption	420mA
Frequency Range	2Hz ~ 400Hz
General	
Power Supply	1 x 3V CR22 Battery
Product Size	72mm x 41mm x 21mm (L x W x H)
Product Weight	150g/0.3lb
Category	DE CAT III 300V



ELECTRICAL TESTERS

MS8910

DIGITAL SMD TESTER



MS8910

MASTECH®

EMC CE

Specifications	Range	Accuracy
Resistance	300Ω~8KΩ/80KΩ/300KΩ/300Ω~200MΩ	±1.0% (±2)
Capacitance	30pF~300nF/300nF/30μF/30μF	±1.0% (±3)
	300pF~300nF/300nF	±1.0% (±3)
Features	Description	
Display	3000 counts	
Auto Ranging	✓	
Manual Ranging	✓	
Auto Scanning	✓	
Auto Power Off	✓	
Diode	2.7V	
Continuity Buzzer	<30Ω	
Low Battery Display	✓	
General		
Power Supply	1 x 3V CR2032 Battery	
Product Size	170mm x 31mm x 17mm (3.7" x 1.2" x 0.7")	
Product Weight	50g/0.1lb	
Certificates	CE	



MASTECH®

MS8902A



ELECTRICAL TESTERS

MS8902A/MS8902B

AC VOLTAGE & METAL DETECTOR



Specifications

	MS8902A	MS8902B
Non-Contact AC Voltage Detecting	✓	✓
AC Voltage Range	12V-600V AC/50-60Hz	20V-600V AC/50-60Hz
The Sensitivity of AC Voltage of AC Voltage Sensing	✓	✓
Metal Detecting	✓	✓
Sound and Light Instructions	✓	✓
Auto Power Off	✓	✓
Weight	APPRX. 22g (including Battery)	APPRX. 46g (including Battery)
Battery	2 x 1.5V (AAA, 10p)	1 x 12V (AG3)
Operating Temperature and Humidity	-10-50°C / < 85%RH	-10-50°C / < 85%RH
Double Model Case	✓	✓
Low-Battery Indication	✓	✓
MEM Function/AC Voltage Sensitivity	✓	✓
General		
Power Supply	2 x 1.5V AAA	2 x 1.5V AAA
Product Size	157 x 24 x 20mm / 6.2" x 1.0" x 1.1"	157 x 24 x 20mm / 6.2" x 1.0" x 1.1"
Product Weight	42g/0.1lb	45g/0.1lb
Category	CE ET LUS CAT. III 600V	CE CAT. III 600V

MS8902B



ELECTRICAL TESTERS

MS8900

AC VOLTAGE DETECTOR



Specifications

	MS8900
Measurement Methods	Non-Contact
Voltage Sensitivity	100 to 240V AC
Voltage Range	100V-600V
Penetrating Distance	< 5mm
Frequency	50Hz-60Hz
Operating Temperature	32 to 122°F (0 to 50°C)
Operating Humidity	< 85%RH
General	
Power Supply	2 x 1.5V AAA Batteries
Product Size	146mm x 25mm x 20mm, 5.8" x 1.0" x 0.8"
Product Weight	40g/0.1lb
Category	CE CAT. III 600V

MS8900



MASTECH®

WIRE TESTERS

MS6818

ADVANCED WIRE TRACKER

MS6818



79

MASTECH®

WIRE TESTERS

MS6818

ADVANCED WIRE TRACKER

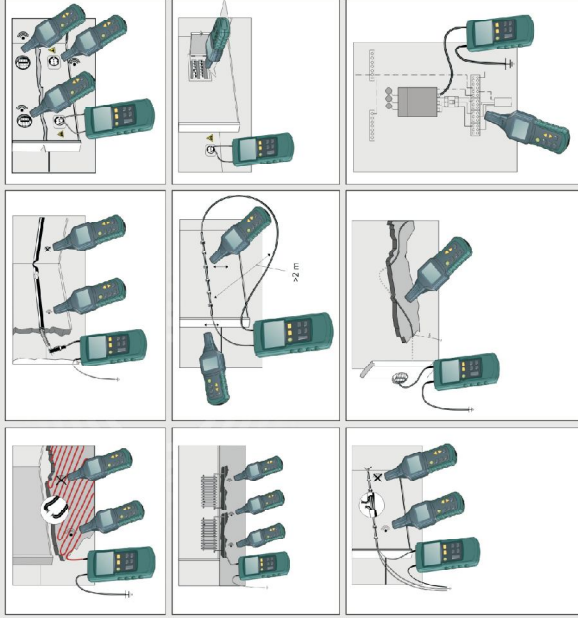
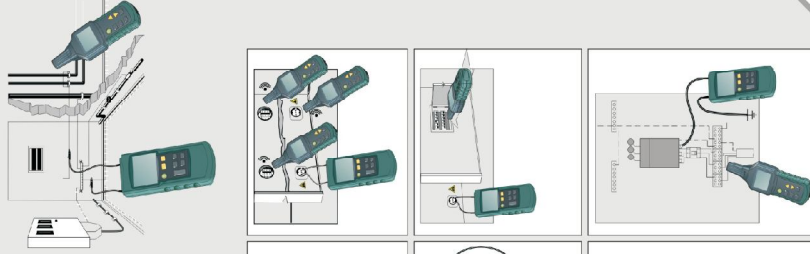


Specifications

- Find the open or shorts of cables in the wall or earth.
- Track cables in the wall or earth.
- Find the fuse and shorted.
- Find the open or shorts of circuit under the floor.
- Track the circuit made by metal in the protect of wire or hot.
- Sensitivity of receiver can be selected.
- Work Light.

General

Power Supply	1 x 9V 6LR61 5x1.5/AAA LR03
Receiver Size	244 (mm) x 78 (mm) x 36 (mm) 9.6" x 3.1" x 1.5"
Emitter Size	130 (mm) x 68 (mm) x 36 (mm) 5.1" x 2.7" x 1.4"
Receiver Weight	106g/0.23lb
Emitter Weight	42.0g/0.09lb
Category	CE Cat.III - 40CV



80

MASTECH®

MS6813



WIRE TESTERS

MS6813

MULTI-FUNCTIONS CABLE TRACKER



Specifications

Testing Coaxial Cable (BNC)	
Testing Coaxial Cable (1.080A, 1.560B, Taken Ring)	
Testing Coaxial Shield Integrity	
Judge Continuity of the Cables or Wires	
Track the cables or wires, and diagnose the break point	
Receive the tone signal on the cables or wires (telephone line)	
Identify the state in the working telephone line (clear, ringing, busy)	
Send tone frequency: 4KHz	
Receive frequency: 100Hz~300KHz	
General	
Power Supply	2 x 9V 6F22
Product Size	211mmx34mmx55mm/8.3"x3.3"x2.1"
Product Weight	400g/0.9lb
Certificate	CE



81

WIRE TESTERS

MS6810/MS6811/MS6812

CABLE TESTER/TRACKER



Specifications

	MS6810	MS6811
Testing Coaxial Cable (BNC)	✓	✓
Testing Coaxial Cable (1.080A, 1.560B, Taken Ring)	✓	✓
Testing Coaxial Shield Integrity	✓	✓
Measurement Distance Of Cables	200m(max)	200m(max)
Battery Low Level Indicator	✓	✓
General		
Power Supply	1 x 9V 6F22	1 x 9V 1.925(4)R44
Product Size	153 x 74 x 31mm/ 6.0" x 2.9" x 1.2"	125 x 55 x 30mm/ 4.9" x 2.2" x 1.2"
Product Weight	150g/0.3lb	125g/0.3lb
Category	CE	CE

Specifications

	MS6812
Judge continuity of the cables or wires	
Track the cables or wires, and diagnose the break point	
Receive the tone signal on the cables or wires (telephone line)	
Identify the state in the working telephone line (clear, ringing, busy)	
Send a single solid or a dual alternating tone to the target cables or wires.	
Send tone frequency: 1.5KHz	
Receive frequency: 100Hz~300KHz	
General	
Power Supply	9V 6F22
Receiver Size	238mm x 43mm x 28mm/9.4" x 1.7" x 1.0"
Emitter Size	146mm x 35mm x 25mm/5.7" x 1.4" x 1.0"
Receiver Weight	106g/0.2lb
Emitter Weight	114g/0.3lb
Certificate	CE

MS6812



82

MASTECH®

MS6306



MS6308



ENVIRONMENTAL METERS

MS6306/MS6308

MULTI-FUNCTIONS ENVIRONMENT TESTER



Specifications	MS6306	MS6308
Illumination	Range: 0-50000LUX Resolution: 1 LUX Accuracy: ±5%±10	Range: 0-50000LUX Resolution: 1 LUX Accuracy: ±5%±10
Sound Level	Range: 50-130dB Resolution: 0.1dB Accuracy: ±2dB, 3dB, 8kHz	Range: 50-130dB Resolution: 0.1dB Accuracy: ±2dB, 3dB, 8kHz
Temperature	Range: -20°C-50°C Resolution: 0.1°C Accuracy: ±0.3°C@30°C-50°C ±0.5°C@5°C-40°C ±1.1°C@20°C-5°C	Range: -20°C-50°C Resolution: 0.1°C Accuracy: ±0.3°C@30°C-50°C ±0.5°C@5°C-40°C ±1.1°C@20°C-5°C
Humidity	Range: 10-95%RH Resolution: 1% Accuracy: ±2%RH	Range: 10-95%RH Resolution: 1% Accuracy: ±2%RH
Anemometer	Range: 0.01m/s-3000ipm/ 0.2m/sec-15msec Resolution: 1 ipm(0.01m/sec) Accuracy: ±4% of 4ipm	Range: 0.01m/s-3000ipm/ 0.2m/sec-15msec Resolution: 1 ipm(0.01m/sec) Accuracy: ±4% of 4ipm
Atmospheric pressure	Range: 0kPa - 400kPa Resolution: 0.1kPa Accuracy: ±5%,-10°C-40°C	Range: 0kPa - 400kPa Resolution: 0.1kPa Accuracy: ±5%,-10°C-40°C
GPS (Global Positioning System)	Range: Altitude: < 2000m Speed: < 652km/h Acceleration: < 6g/s Resolution: Altitude: 0.1m Accuracy: altitude error: < 1.5m Speed error: < 0.2m/s	Range: Altitude: < 2000m Speed: < 652km/h Acceleration: < 6g/s Resolution: Altitude: 0.1m Accuracy: altitude error: < 1.5m Speed error: < 0.2m/s
CO	Range: 0-500ppm Resolution: 1 ppm Accuracy:	Range: 0-500ppm Resolution: 1 ppm Accuracy:
CO2	Range: 0-5000ppm Resolution: 1 ppm Accuracy:	Range: 0-5000ppm Resolution: 1 ppm Accuracy:
Auto Ranging	✓	✓
Manual Ranging	✓	✓
Data Hold	✓	✓
Display backlight	✓	✓
Low Battery Indication	✓	✓
Fast/Slow selection (dB)	✓	✓
Max Hold	✓	✓
USB Interface	Windows OS 6x1.2V Ni-MH AA	Windows OS 6x1.2V Ni-MH AA
Power Supply	282.5mm×104mm×63.5mm/ 11.1"×4.1"×2.5"	282.5mm×104mm×63.5mm/ 11.1"×4.1"×2.5"
Product Size		
Category	CE	CE



ENVIRONMENTAL METERS

MS6300

MULTI-FUNCTIONS ENVIRONMENT TESTER



Specifications	Range	Resolution	Accuracy
Temperature	-10-60°C 14-140°F	0.1°C 0.1°F	±1°C ±2°F
Humidity	20%-90%RH <20% or >90%RH	0.1RH 0.1RH	±3.0%RH ±5.0%RH
Light	0-50000LUX	1 LUX	±5.0%±10
Anemometer	0.4-20m/s 1.4-72m/h 1.2-45.7m/s 0.8-38.7m/h	0.1m/s 0.1m/h 0.1m/s 0.1m/h	±(3.0%±10) ±(3.0%±10) ±(3.0%±10) ±(3.0%±10)
Air Flow (CFM)	0-99990CFM	1CFM(>100CFM)	±(3.0%±10)
Air Flow (CFM)	0-99990CFM	1CFM(>100CFM)	±(3.0%±10)
Sound Level	50-130dB(A) 35-130dB(C)	0.1dB	±1.5dB
Features			
Auto Ranging			
Data Hold			
AUTO/MAN/DIR (MAX./MIN)			
Low Battery Display			
Auto/Manual/Power Off			
General			
Power Supply	1x3V 6F22 Battery		
Product Size	280mm×99mm×50mm/11.0"×3.9"×2.0"		
Product Weight	430g/0.9lb		
Certificate	CE		



MASTECH®

MS6300



MASTECH®

MS6508



ENVIRONMENTAL METERS

MS6508

TEMPERATURE HUMIDITY METER



EMC

Specifications	Range
Ambient Temperature	Range: -20 to 60°C (-4 to 140°F) Accuracy: ±1.0°C (0.3 to 4.5°C)
Relative Humidity	Range: 0 to 100% RH Resolution: 0.1% RH Accuracy: ±3.0% RH (10 to 90%) ±4.0% RH (0 to 10%, 90 to 100%)
Wet Bulb Temperature	Range: 0 to 60°C (32 to 140°F) Accuracy: ±1.0°C (0.3 to 4.5°C)
Dew Point Temperature	Range: -50 to 60°C (-58 to 140°F) Accuracy: ±1.0°C (0.3 to 4.5°C)
Update Rate: 400ms	Resolution: 0.1°C/°F
°C/°F Selection	
Data Hold	
Display Backlight	
MAX/MIN/Mean	
Data Logging and Recall: 100 groups	
General	
Power Supply	4 x 1.5V AAA Batteries
Product Size	184mm x 50mm x 29mm (7.2" x 2.4" x 1.1")
Product Weight	150g (0.4lb)
Certificate	CE



ENVIRONMENTAL METERS

MS6511/MS6512/MS6513/MS6514

DIGITAL THERMOMETER

MS6511



MS6512



MS6513



MS6514



MASTECH®

Specifications

Thermocouple Type	MS6511	MS6512	MS6513	MS6514
Channel	K, J, T, E Single	K, J, T, E Dual	K, J, T, E, R, S, N Single	K, J, T, E, R, S, N Dual
Measurement Range	K: -200.0°C to +1372°C / -328.0°F to +2501°F	K: -200.0°C to +1372°C / -328.0°F to +2501°F	J: -210.0°C to +1200°C / -413.0°F to +2192°F	J: -210.0°C to +1200°C / -413.0°F to +2192°F
	T: -250.0°C to +400°C / -413.0°F to +752°F	T: -250.0°C to +400°C / -413.0°F to +752°F	E: -150.0°C to +1000°C / -238.0°F to +1832°F	E: -150.0°C to +1000°C / -238.0°F to +1832°F
	R: 0°C to +1767°C / 32°F to +3212°F	R: 0°C to +1767°C / 32°F to +3212°F	S: 0°C to +1767°C / 32°F to +3212°F	S: 0°C to +1767°C / 32°F to +3212°F
	N: -200.0°C to +1300°C / -328.0°F to +2372°F	N: -200.0°C to +1300°C / -328.0°F to +2372°F		
	Resolution	0.1°C, 0.1°F, 0.1K		
Accuracy	K, J, T, E: ±(0.2% + 0.5°C) R, S: ±(0.2% + 1°C) N: ±(0.2% + 0.5°C) 1000 groups			
Data Logging	✓			
Ambient Temperature Compensation	✓			
Auto Power Off	✓			
MAX, MIN, MEAN	✓			
DATA HOLD	✓			
USB Interface	✓			
General				
Power Supply	1 x 9V (6F22)	1 x 9V (6F22)	1 x 9V (6F22)	1 x 9V (6F22)
Product Size	190 x 89 x 42mm / 7.5 x 3.5 x 1.7"	190 x 89 x 42mm / 7.5 x 3.5 x 1.7"	190 x 89 x 42mm / 7.5 x 3.5 x 1.7"	190 x 89 x 42mm / 7.5 x 3.5 x 1.7"
Product Weight	350g (0.8lb)	350g (0.8lb)	350g (0.8lb)	350g (0.8lb)
Certificate	CE	CE	CE	CE



EMC



MASTECH®

MS6701



MS6708



ENVIRONMENTAL METERS

MS6701/MS6708

DIGITAL SOUND LEVEL METER



Specifications	MS6701	MS6708
Measurement Range	10dB - 130dB	✓
Accuracy	±2dB	✓
Resolution	0.1dB	✓
Display	2000 counts	✓
Sample Rate	2 times/s	✓
Frequency Range	50Hz - 8kHz	✓
Data Logging	1000 records	✓
Display	2000 counts	✓
Over Range Indication	OVER	✓
Auxiliary Output	AC 0.707 Vrms @ Full Range for Each Level Impedance 600Ω	✓
Analog Bar Indication	10C, 10mV/div, Impedance 10kΩ	✓
Auto Range	✓	✓
Manual Range	✓	✓
Auto Power Off	✓	✓
Fast/Slow Selection	✓	✓
MAX Value Hold Function	✓	✓
A/C Weighting Selection	✓	✓
Date and Time Display	✓	✓
USB Interface	✓	✓
Display Backlight	✓	✓
Low Battery Display	✓	✓
General	MS6701	MS6708
Power Supply	6 x 1.5V AAA Batteries	4 x 1.5V AAA Batteries
Product Size	75mm x 80mm x 35mm / 3.1" x 3.1" x 1.4"	75mm x 80mm x 35mm / 3.1" x 3.1" x 1.4"
Product Weight	35.0g / 0.8lb	20.0g / 0.4lb
Category	CE	CE

ENVIRONMENTAL METERS

MS6702

DIGITAL SOUND LEVEL METER with Temperature & Humidity



Specifications	Range
Measurement Range	30dB - 130dB
Accuracy	±2dB
Resolution	0.1dB
Display	2000 counts
Sample Rate	2 times/s
Frequency Range	50Hz - 8kHz
Over Range Indication	"OVER" / "OVER"
Auxiliary Output	AC 0.707 Vrms @ Full Range For Each Level Impedance 600Ω
Temperature	0°C - 60°C / 32°F - 140°F
Relative Humidity	10% - 90% ±0.5%RH
Analog Bar Indication	
Auto Range	
Auto Power Off	
Fast/Slow Selection	
C/F Selection	
MAX Value Hold Function	
A/C Weighting Selection	
Display Backlight	
Low Battery Display	
General	
Power Supply	6 x 1.5V AAA Batteries
Product Size	75mm x 80mm x 35mm / 3.1" x 3.1" x 1.4"
Product Weight	35.0g / 0.8lb
Category	CE

MASTECH®

MS6702



B7

B8

MASTECH®

MS6612

ENVIRONMENTAL METERS

MS6612

DIGITAL LIGHT METER



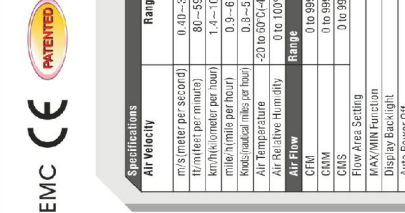
Specifications	Range
Measurement range	0-20000Lux / 0-20000FC
Accuracy	±3%
Resolution	0.01Lux / 0.01FC
Display	2000 counts
Audio Buzzer Indication	
Auto Range	
Range Range	
Auto Power Off	
MAX/Min Function	
Relative Measurement	
Peak Measurement	
FC Unit Selection	
Date Hold	
Display Backlight	
Low Battery Display	
General	
Power Supply	1x9V 6F22 Battery
Product Size	190mm x 69mm x 42mm / 7.5" x 3.5" x 1.7"
Product Weight	±20g / 0.9lb
Category	CE

88

ENVIRONMENTAL METERS

MS6252A/MS6252B

DIGITAL ANEMOMETER



Specifications	Range	Accuracy	MS6252A	MS6252B
Air Velocity				
m/s (meter per second)	0.40-30.0	±3%	✓	✓
ft/min (feet per minute)	80-5900	±3%	✓	✓
km/h (kilometer per hour)	1.4-108.0	±3%	✓	✓
mi/h (miles per hour)	0.9-67.0	±3%	✓	✓
Knots (knots per hour)	0.8-65.0	±3%	✓	✓
Air Temperature	-20 to 60°C / 4 to 140°F	±1°C (±2.0°F)	✓	✓
Air Relative Humidity	0 to 100% RH	±3%	✓	✓
Air Flow				
CFM	0 to 9999	0 to 9.99ft ³	✓	✓
CMM	0 to 9999	0 to 9.99m ³	✓	✓
CMS	0 to 9999	0 to 9.99m ³	✓	✓
Flow Area Setting			✓	✓
MAX/Min Function			✓	✓
Display Backlight			✓	✓
Auto Power Off			✓	✓
Cr-F Selection			✓	✓
Alarm, Low Point & Val Bulb Temperature Selection			✓	✓
Low Battery Display			✓	✓
USB Interface (Windows OS)			✓	✓
General				
Power Supply	1x9V 6F22		✓	✓
Product Size	165mm x 65mm x 39mm / 6.5" x 3.3" x 1.5"		✓	✓
Product Weight	±20g / 0.4lb		✓	✓
Certificate	CE		✓	✓

MS6252B



90

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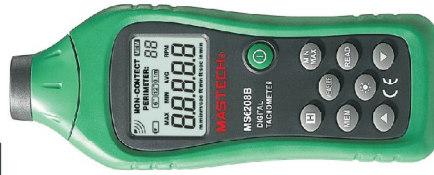
MS6252A

MASTECH®

MS6208A



MS6208B



ENVIRONMENTAL METERS

MS6208A/MS6208B

DIGITAL TACHOMETER



EMC

Specifications	MS6208A	MS6208B
Contact Measurement	50~19999RPM ± (0.3% ± 2)	50~19999RPM ± (0.3% ± 2)
Non-Contact Measurement (Photo)	N/A	50~19999RPM ± (0.3% ± 2)
Measurement Distance	N/A	50mm~250mm
Auto Power Off	30s	30s
MAX/MIN/AVE Functions	✓	✓
Unit Conversion (mm/in/ft)	✓	✓
Data Logging	100 groups	100 groups
Data Hold/Backlight	✓	✓
Low Battery Indication	✓	✓
General	4 x 1.5644	4 x 1.5644
Power Supply	90mm x 60mm x 29mm / 7.5" x 2.4" x 1.1"	90mm x 60mm x 29mm / 7.5" x 2.4" x 1.1"
Product Size	220g / 0.310	220g / 0.310
Product Weight		
Category	CE	CE

ENVIRONMENTAL METERS

MS6450

ULTRASONIC DISTANCE METER



EMC

Specifications	MS6450
Measurement Range	0.5m~15m (2 feet~50 feet)
Accuracy	± (0.5% ± 1)
Resolution	3.0mm (1 inch)
Unit Selection	
Area & Volume Calculating	
Laser Target Pointer	
Display Backlight	
Battery	1 x 9V 6LR22 Battery
Power Supply	156mm x 55mm x 38mm / 5.4" x 2.3" x 1.5"
Product Size	150g / 0.210
Product Weight	
Category	CE



MASTECH®

MS6900

ENVIRONMENTAL METERS

MS6900

MOISTURE TESTER



Specifications	
Measurement Depth	0-50mm
Direct Moisture	0-90% ± 1%
Ambient Temperature (°C)	-10°C - 50°C / 0.5°C
Ambient Temperature (°F)	14°F - 122°F ± 1°F
Ambient Humidity (%)	0-100% RH ± 1%
Resolution	0.1%, 0.1°C, 0.1°F, 0.1%RH
MAX/Min Measurement Mode	
Low Battery Indication	
Display Backlight	
Data Hold	
General	
Power Supply	2 x 1.5V AAA Batteries
Product Size	130mm x 69mm x 28mm / 5.1" x 2.7" x 1.1"
Product Weight	200g / 0.4lb
Category	CE

ENVIRONMENTAL METERS

MS6310

COMBUSTIBLE GAS DETECTOR



Specifications	
Easy To Identify Acid Pinpoint Gas Leaks	
Porch Air Acid High Sensitivity	
Alarm At 10% - 40% Level	
Resume Original Measurement State In 7-10 Minutes In Pure Air	
Gas Detected: Natural gas, Methane, Ethane, Propane, Butane, Acetone, Alcohol, Ammonia, Steam, Carbon Monoxide, Gasoline, Jet Fuel, Hydrogen Sulfides, Lacquer thinner, Acrylonitrile	
Warning Time: 2 Minutes	
Response Time: 2 Seconds General	
General	
Power Supply	4 x 1.5V AAA Batteries
Product Size	172mm x 70mm x 60mm / 6.8" x 2.8" x 2.4"
Product Weight	450g / 1.0lb
Category	CE



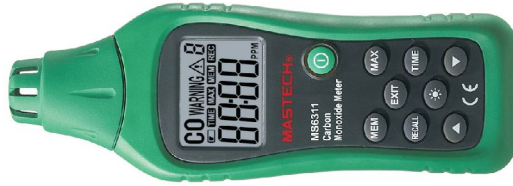
MASTECH®

MS6310



MASTECH®

MS6311



ENVIRONMENTAL METERS

MS6311

CARBON MONOXIDE (CO) DETECTOR



EMC

Specifications	
Measurement Range	0 - 100ppm
Max Measurement	
Data Logging	10 groups
Alert Alarm When Up	>50ppm, and Continuous Beep When >200ppm
Auto Power Off	15 minutes
Display Backlight	
Ambient Air Safety Checks on Residential Appliances	
HVAC Shut-off Notices on Household Heaters	
Check for Gas Leaks	
Industrial CO Warnings with the Accumulation of CO is Possible	
Warning Up Time	40 seconds
General	
Power Supply	4 x 1.5V AAA Batteries
Product Size	160mm x 60mm x 29mm/6.3" x 2.4" x 1.1"
Product Weight	200g/0.4lb
Category	CE



ENVIRONMENTAL METERS

MS6903

pH METER



EMC

Specifications	
Measurement Range	0 - 14.00pH
Resolution	0.01pH
Accuracy	±0.02pH
Ambient Temperature Measurement Range	5°C - 60°C
Resolution	0.1°C
Accuracy	±1°C
Data Logging	30 Groups
Automatic Temperature Compensation	
Portable, High Sensitivity, Fast Response	
General	
Power Supply	4 x 1.5V AAA Batteries
Product Size	160mm x 37mm x 37mm/7.5" x 1.5" x 1.5"
Product Weight	100g/0.2lb
Category	CE



MS6903

MASTECH®



MASTECH®

MS6906



MS6908



97

ENVIRONMENTAL METERS

MS6906/MS6908

ELECTRONIC STUD METAL FINDER



Specifications	MS6906	MS6908
Wooden Pillar / Metal Stud Detection Depth	30mm	30mm
Metal Pipe Detection Depth	50mm	50mm
AC Voltage Detection Depth (50V-60V AC)	75mm	75mm
LCD Diagnostic Indication And Velocity Indication	✓	✓
Low Battery Warning	✓	✓
3 Wire Circuit Socket Test	✓	✓
GFCI Test	✓	✓
General		
Power Supply	1 x 9V 6F22 Battery	✓
Product Size	160mm x 70mm x 42mm (6.3" x 2.8" x 1.7")	✓
Product Weight	200g (0.4lb)	240g (0.5lb)
Category	CE	CE

MS6906



MS6908



ENVIRONMENTAL METERS

MS6302

PITOT TUBE ANEMOMETER + DIFFERENTIAL MANOMETER



Specifications	Range	Resolution	Accuracy
Pressure			
Psi	0-7.252psi	0.0007psi	±0.3%FS
Nbr/ft	50.00nbr/ft	0.01nbr/ft	±0.3%FS
mH ₂ O	20.07mH ₂ O	0.01mH ₂ O	±0.3%FS
mH ₂ O	506.8mH ₂ O	0.01mH ₂ O	±0.3%FS
Pi	500.0Pa	1Pa	±0.3%FS
Air Velocity			
ft/min	206-15723	1	±(1%FS +5)
m/s	1-86.00	0.01	±(1%FS +5)
Km/h	3.3-286.0	0.1	±(1%FS +5)
MPH	2.29-178.86	0.01	±(1%FS +5)
Knots	2.0-154.6	0.1	±(1%FS +5)
Air Flow			
CFM	0-9999	0.0007-1	
CMH	0-9999	0.0007-1	
Temperature			
°F	32.0-122.0°F	0.1°F	±0.3°F
°C	0-50°C	0.1°C	±0.3°C
Pressure			
MAX/AVG recording			
Data Hold and Auto power off function			
Large LCD display			
Zero function for offset correction or measurement			
Data Logging: 500 groups			
USB interface for Windows OS			
General			
Power Supply	9VDC 0m6P or 6104		
Product Size	190mm x 89mm x 42mm (7.5" x 3.5" x 1.7")		
Product Weight	350g (0.8lb)		
Category	CE		



98

MS6302



MASTECH®

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ANALOG MULTIMETERS

MS100A/MS100B

ANALOG MULTIMETER

MS100A



Specifications	Range	Accuracy	MS100A	MS100B
DC Voltage	2.5V~300V	±5.0% full scale of range	±5.0% full scale of range	±5.0% full scale of range
AC Voltage	10V~300V	±5.0% full scale of range	±5.0% full scale of range	±5.0% full scale of range
DC Current	10mA~250mA	±5.0% full scale of range	±5.0% full scale of range	±5.0% full scale of range
Resistance	20KΩ/2MΩ	±5.0% full scale of range	±5.0% full scale of range	±5.0% full scale of range
Battery Test	1.5V/9V	✓	✓	✓
General				
Power Supply			1.5V Battery, IRE AA X2	1.5V Battery, IRE AA X2
Product Size			116mm×66mm×35mm	116mm×66mm×35mm
Product Weight			4.37"×2.66"×1.36"	4.37"×2.66"×1.36"
Category			CAT. II 300V CE ETL	CAT. II 300V CE ETL

MS100B



ANALOG MULTIMETERS

MS312/MS318/MS319

ANALOG MULTIMETER

MS312



MS318



MS319



MASTECH®

Specifications

	MS312	MS318	MS319
DC Voltage	10/50/150/300V 10/50/250/500V 2.5/10/50/250/1000V	±4% full scale of range	±4% full scale of range
AC Voltage	10/50/150/300V 10/50/250/500V 10/50/250/1000V	±5% full scale of range	±5% full scale of range
DC Current	0.5/50/150mA 250mA 5/50/150mA	±4% full scale of range	±5% full scale of range
Resistance	Rx1K Rx10 Rx100 Rx100 Rx1K 10M Max	±4% arc scale of length	±4% full scale of range
Battery Test	1.5V/9V	✓	±4% arc scale of length
Power Supply	1.5V Battery, IRE AA X1	1.5V Battery, IRE AA X1	1.5V Battery, IRE AA X2
Product Size	mm inch	90mm×70mm×32mm 3.66"×2.84"×1.26"	140mm×97mm×43mm 5.88"×3.82"×1.70"
Product Weight	CAT. III 300V	CE ETL	250g/0.8lb
Category	CE ETL	CE ETL	CE ETL

EMC LVD



59

100



Model HY1502C HY1503C HY1505C
Input voltage 115VAC/60Hz/230VAC/50Hz
Output Voltage/Current 0-15V/0-2A 0-15V/0.3A 0-15V/0.5A
Dimension(mm) 210*160*95
Weight (kg) 2-3
Ripple&Noise ≤0.5mVrms
Load&Effect 0.01%+3mV
Display/Accuracy Voltage±2.5%
 Note Linear mode



Model HY1502D HY1503D HY1505D HY1802D HY1803D
Input voltage 115VAC/60Hz/230VAC/50Hz
Output Voltage/Current 0-15V/0-2A 0-15V/0-3A 0-15V/0-5A 0-18V/0-2A 0-18V/0-3A
Dimension(mm) 210*160*95
Weight (kg) 2-3
Ripple&Noise ≤0.5mVrms
Load&Effect 0.01%+3mV
Display/Accuracy Voltage: LED±1%+2digits Current:LED±2%+2digits
 Note Linear mode



Model HY2402 HY3001
Input voltage 115VAC/60Hz/230VAC/50Hz
Output Voltage/Current 0-24V/0-2A 0-30V/0-1A
Dimension(mm) 210*160*95
Weight (kg) 3-4.5
Ripple&Noise ≤0.5mVrms
Load&Effect 0.01%+3mV
Display/Accuracy Voltage: LED±1%+2digits Current:LED±2%+2digits
 Note Linear mode



Model HY3002C HY3003C HY3005C
Input voltage 115VAC/60Hz/230VAC/50Hz
Output Voltage/Current 0-30V/0-2A 0-30V/0.3A 0-30V/0.5A
Dimension(mm) 291*158*136
Weight (kg) 3-4.5
Ripple&Noise ≤0.5mVrms
Load&Effect 0.01%+3mV
Display/Accuracy Voltage&Current: Analog±2.5%
 Note Linear mode



Model HY3002D HY3003D HY3005D HY5003D
Input voltage 115VAC/60Hz/230VAC/50Hz
Output Voltage/Current 0-30V/0-2A 0-30V/0-3A 0-50V/0-2A 0-50V/0-3A
Dimension(mm) 291*158*136
Weight (kg) 3-4.5
Ripple&Noise ≤0.5mVrms
Load&Effect 0.01%+3mV
Display/Accuracy Voltage: LED±1%+2digits Current:LED±2%+2digits
 Note Linear mode



Model HY3002F-3 HY3003F-3 HY3005F-3
Input voltage 115VAC/60Hz/230VAC/50Hz
Output Voltage/Current 2×0-30V/2×0-2A 2×0-30V/2×0-3A 2×0-30V/2×0-5A
Dimension(mm) 365*265*164
Weight (kg) 7.5-9
Ripple&Noise ≤0.5mVrms
Load&Effect 0.01%+3mV
Display/Accuracy Voltage: LED±1%+2digits Current:LED±2%+2digits
 Note Linear mode



Model HY3003F-2 HY3005F-2
Input voltage 115VAC/60Hz/230VAC/50Hz
Output Voltage/Current 2×0-30V/2×0-2A 2×0-30V/2×0-3A 2×0-30V/2×0-5A
Dimension(mm) 365*265*164
Weight (kg) 7.5-9
Ripple&Noise ≤0.5mVrms
Load&Effect 0.01%+3mV
Display/Accuracy Voltage: LED±1%+2digits Current:LED±2%+2digits
 Note Linear mode



Model HY3002M HY3003M HY3005M HY5002M HY5003M
Input voltage 115VAC/60Hz/230VAC/50Hz
Output Voltage/Current 0-30V/0-2A 0-30V/0-3A 0-50V/0-2A 0-50V/0-3A
Dimension(mm) 291*158*136
Weight (kg) 3-4.5
Ripple&Noise ≤0.5mVrms
Load&Effect 0.01%+3mV
Display/Accuracy Voltage: LED±1%+2digits Current:LED±2%+2digits
 Note Microprocessor control lock-in Voltage Linear mode



Model HY3002M-2 HY3003M-2 HY3005M-2 HY3002M-3 HY3003M-3 HY3005M-3
Input voltage 115VAC/60Hz/230VAC/50Hz
Output Voltage/Current 2×0-30V 2×0-30V 2×0-30V/2×0-3A 2×0-30V/2×0-5A 2×0-30V/2×0-5A
Dimension(mm) 291*158*136
Weight (kg) 6.5-9
Ripple&Noise ≤0.5mVrms
Load&Effect 0.01%+3mV
Display/Accuracy Voltage&Current: Analog±2.5%
 Note Microprocessor control lock-in Voltage Linear mode



Model HY3010M
Input voltage 115VAC/60Hz/230VAC/50Hz
Output Voltage/Current 0-30V/0-10A with RS232 0-30V/0-20A with RS232
Dimension(mm) 365*265*164
Weight (kg) 4.5-6
Ripple&Noise ≤0.5mVrms
Load&Effect 0.02%+3mV
Display/Accuracy Voltage: LED±1%+2digits Current:LED±2%+2digits
 Note Microprocessor control lock-in Voltage Linear mode



Model HY3002-3 HY3003 HY3005 HY5002 HY5003

Input voltage 115VAC, 60Hz/230VAC, 50Hz

Output Voltage/Current 0-30V, 0-2A; 0-30V, 0-3A; 0-30V, 2×0-3A; 0-50V, 0-2A; 0-50V, 0-3A

Dimension (mm) 291*158*136

Weight (kg) 3-4.5

Ripple&Noise ≤0.5mVrms

Load&Effect 0.01%+3mV

Display Accuracy Voltage: LED±1%+2digits Current: LED±2%+2digits

Note Linear mode



Model HY3002-3 HY3003-3 HY3005-3

Input voltage 115VAC, 60Hz/230VAC, 50Hz

Output Voltage/Current 2×0-30V, 2×0-2A; 2×0-30V, 2×0-3A; fixed output 5V, 3A; 2×0-30V, 2×0-5A; fixed output 5V, 3A

Dimension (mm) 365*265*164

Weight (kg) 7.5-11

Ripple&Noise ≤0.5mVrms

Load&Effect 0.01%+3mV

Display Accuracy Voltage: LED±1%+2digits Current: LED±2%+2digits

Note Linear mode



Model HY3002-2 HY3003-2 HY3005-2 HY5002-2 HY5003-2

Input voltage 115VAC, 60Hz/230VAC, 50Hz

Output Voltage/Current 2×0-30V, 2×0-2A; 2×0-30V, 2×0-3A; 2×0-50V, 0-2A; 2×0-50V, 0-3A

Dimension (mm) 365*265*164

Weight (kg) 7.5-9

Ripple&Noise ≤0.5mVrms

Load&Effect 0.01%+3mV

Display Accuracy Voltage: LED±1%+2digits Current: LED±2%+2digits

Note Linear mode



Model HY3002D-3 HY3003D-3 HY3005D-3

Input voltage 115VAC, 60Hz/230VAC, 50Hz

Output Voltage/Current 2×0-30V, 2×0-2A; fixed output 5V, 3A; 2×0-30V, 2×0-3A; 2×0-50V, 0-2A; fixed output 5V, 3A

Dimension (mm) 365*265*164

Weight (kg) 7.5-9

Ripple&Noise ≤0.5mVrms

Load&Effect 0.01%+3mV

Display Accuracy Voltage: LED±1%+2digits Current: LED±2%+2digits

Note Linear mode



Model HY3002D-2 HY3003D-2 HY3005D-2

Input voltage 115VAC, 60Hz/230VAC, 50Hz

Output Voltage/Current 2×0-30V, 2×0-2A; 2×0-30V, 2×0-3A; 2×0-50V, 0-2A; 2×0-50V, 0-3A

Dimension (mm) 365*265*164

Weight (kg) 7.5-9

Ripple&Noise ≤0.5mVrms

Load&Effect 0.01%+3mV

Display Accuracy Voltage: LED±1%+2digits Current: LED±2%+2digits

Note Linear mode



Model HY5005E-2 HY5005E-3 HY3005E-3 HY3005E-3

Input voltage 115VAC, 60Hz/230VAC, 50Hz

Output Voltage/Current 2×0-50V, 2×0-3A; 2×0-50V, 2×0-3A; fixed output 5V, 3A; 2×0-50V, 2×0-5A; fixed output 5V, 3A

Dimension (mm) 365*265*164

Weight (kg) 5

Ripple&Noise ≤0.5mVrms

Load&Effect 0.02%+3mV

Display Accuracy Voltage: LED±1%+2digits Current: LED±2%+2digits

Note Switching mode



Model HY3005S-2 HY3005S-3 HY3005S-3 HY3005S-3

Input voltage 115VAC, 60Hz/230VAC, 50Hz

Output Voltage/Current 2×0-30V, 2×0-3A; 2×0-30V, 2×0-3A; fixed output 5V, 3A; 2×0-30V, 2×0-5A; fixed output 5V, 3A

Dimension (mm) 365*265*164

Weight (kg) 6.5-9

Ripple&Noise ≤0.5mVrms

Load&Effect 0.01%+3mV

Display Accuracy Voltage: LED±1%+2digits Current: Attenuate±2.5%

Note Linear mode



Model HY3005E-2 HY3005E-3 HY3005E-3 HY3005E-3

Input voltage 115VAC, 60Hz/230VAC, 50Hz

Output Voltage/Current 0-30V, 0-10A; 0-30V, 0-10A; 0-30V, 0-10A; 0-30V, 0-50A

Dimension (mm) 365*265*164

Weight (kg) 2.5-9

Ripple&Noise ≤3mVrms

Load&Effect 0.02%+3mV

Display Accuracy Voltage: LED±1%+2digits Current: LED±2%+2digits

Note Switching mode



Model HY5005E-2 HY5005E-3 HY5005E-3 HY5005E-3

Input voltage 115VAC, 60Hz/230VAC, 50Hz

Output Voltage/Current 0-50V, 0-5A; 0-50V, 0-5A; 0-50V, 0-5A; 0-50V, 0-5A

Dimension (mm) 365*265*164

Weight (kg) 3.5-8

Ripple&Noise ≤3mVrms

Load&Effect 0.02%+3mV

Display Accuracy Voltage: LED±1%+2digits Current: LED±2%+2digits

Note Switching mode



Model HY10005E-2 HY10005E-3 HY2005E-3 HY3005E-3

Input voltage 115VAC, 60Hz/230VAC, 50Hz

Output Voltage/Current 0-100V, 0-5A; 0-10A, 0-1A; 0-2A, 0-2A; 0-300V, 0-1A; 0-2A, 0-2A

Dimension (mm) 365*265*164

Weight (kg) 3.5-8

Ripple&Noise ≤10mVrms

Load&Effect 0.02%+3mV

Display Accuracy Voltage: LED±1%+2digits Current: LED±2%+2digits

Note Switching mode



Model	PS-28
Input Voltage	90V~253V AC
Output Voltage/Current	5V/1.5A, 7.5V/1.5A, 12V/1.5A, 15V/1.0A, 20V/0.6A
Dimension(mm)	160*100*60
Weight (kg)	0.525
Ripples&Noise	≤15mVrms
Road&Effect	≤1.5%
Display/Accuracy	LED±1%±2digits
Note	Switching mode



Model	XP-581
Input Voltage	115VAC, 60Hz/230VAC, 50Hz
Output Voltage/Current	5V/3A/12V/1A/12V/1A/2.0V/2A
Dimension(mm)	250*200*110
Weight (kg)	4.5
Ripples&Noise	≤0.5mVrms
Road&Effect	≤1.5%
Display/Accuracy	LED±1%±2digits
Note	Linear mode



Model	XP-800
Input Voltage	115VAC, 60Hz/230VAC, 50Hz
Output Voltage/Current	DC:88V/10A/AC:90V/7A/AC:120V/2A
Dimension(mm)	260*320*130
Weight (kg)	9.5
Ripples&Noise	≤0.5mVrms
Road&Effect	≤1.5%
Display/Accuracy	LED±1%±2digits
Note	Linear mode



Model	HY1502
Input Voltage	90V~253V AC, 50Hz/60Hz±2Hz
Output Voltage/Current	1.5V/1.5A, 0.2A
Dimension(mm)	155*150*60
Weight (kg)	≤1.0mVrms
Ripples&Noise	≤1.5%
Road&Effect	≤1.5%
Display/Accuracy	LED±1%±2digits
Note	Switching mode



Model	XR-38
Input Voltage	115VAC, 60Hz/230VAC, 50Hz
Output Voltage/Current	13.8V/0.2A/5A, 5A, 10A
Dimension(mm)	160*150*100
Weight (kg)	2.375
Ripples&Noise	≤5%
Road&Effect	≤1.5%
Display/Accuracy	LED±1%±2digits
Note	Linear mode



Model	HY152A
Input Voltage	90V~253V AC
Output Voltage/Current	50Hz/60Hz±2Hz
Dimension(mm)	155*150*60
Weight (kg)	0.61
Ripples&Noise	≤5mVrms
Road&Effect	≤1.5%
Display/Accuracy	LED±1%±2digits
Note	Switching mode



Model	HY2402L
Input Voltage	115VAC, 60Hz/230VAC, 50Hz
Output Voltage/Current	0~24V/0.2A
Dimension(mm)	105*80*30
Weight (kg)	4.7
Ripples&Noise	≤0.5mVrms
Road&Effect	≤1.5%
Display/Accuracy	LED±1%±2digits
Note	Linear mode



Model	HY3005A
Input Voltage	115VAC, 60Hz/230VAC, 50Hz
Output Voltage/Current	0~30V/0.5A
Dimension(mm)	105*80*30
Weight (kg)	4.7
Ripples&Noise	≤0.5mVrms
Road&Effect	≤1.5%
Display/Accuracy	LED±1%±2digits
Note	Switching mode



Model	Mini Power Supply
Input Voltage	90V~253V AC, 50Hz/60Hz±2Hz
Output Voltage/Current	3~5V/0.1~1.5A
Dimension(mm)	60*40*30
Weight (kg)	0.4
Ripples&Noise	≤1.5%
Road&Effect	≤1.5%
Display/Accuracy	LED±1%±2digits
Note	Switching mode

TEST LEAD

T3009



T3009C



Specifications	
Probe Length:	148mm/Φ10.2mm
Tip:	4mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wires:	UL 1863 18AWG, Length: 1000mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A

CE
EMC
LVD

Specifications	
Probe Length:	148mm/Φ10.2mm
Tip:	4mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wires:	UL 1863 18AWG, Length: 1000mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A

T3016



T3016



Specifications	
Probe Length:	120mm/Φ9mm
Tip:	15mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wires:	UL 1863 20AWG, Length: 800mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A

CE
EMC
LVD

Specifications	
Probe Length:	120mm/Φ9mm
Tip:	4mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wires:	UL 1863 20AWG, Length: 800mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A

TEST LEAD

T3030



T3030C



Specifications	
Probe Length:	143mm/Φ9mm
Tip:	14mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wires:	UL 1863 18AWG, Length: 800mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A

CE
EMC
LVD

Specifications	
Probe Length:	143mm/Φ9mm
Tip:	14mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wires:	UL 1863 18AWG, Length: 800mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A

T3033



Specifications	
Probe Length:	117mm/Φ9mm
Tip:	14mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wires:	UL 1863 20AWG, Length: 838mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A

CE
EMC
LVD

Specifications	
Probe Length:	117mm/Φ9mm
Tip:	14mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wires:	UL 1863 20AWG, Length: 838mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A