

MASTECH®

DIGITAL MULTIMETERS

MS8211/MS8211D

PEN-TYPE AUTORANGING DIGITAL MULTIMETER WITH NCV DETECTOR



MS8211



MS8211D



Specifications	Range	Accuracy	
		MS8211	MS8211D
DC Voltage	200mV/2V/20V/200V/600V	±(0.7% +2)	±(0.7% +2)
AC Voltage	200mV/2V/20V/200V/600V	±(0.8% +3)	±(0.8% +3)
DC Current	20mA/200mA	±(1.0% +3)	±(1.5% +3)
AC Current	20mA/200mA	±(2.0% +3)	±(2.0% +3)
Resistance	200Ω	±(1.0% +3)	±(1.0% +3)
	2KΩ/20KΩ/200KΩ/2MΩ	±(1.0% +1)	±(1.0% +1)
	20MΩ	±(1.0% +5)	±(1.0% +5)
Features			
Display	Counts	2000	2000
Auto Ranging		✓	✓
Manual Ranging		✓	✓
NCV	Non-Contact AC Voltage Detection: >50V AC	✓	✓
Logic Level Test	>3.5V: High Level; <3.5V: Low Level	✓	✓
APD	Auto Power Off	✓	✓
Diode	2.7V	✓	✓
Continuity Buzzer	<50Ω	✓	✓
MAX	Maximum Value Hold	✓	✓
Data Hold		✓	✓
Retractable Tip	Retractable Tip for Safe Storage	✓	✓
General			
Power Supply	2×1.5 AAA Batteries	✓	✓
Product Size	208mm×38mm×29mm/8.2"×1.5"×1.1"	✓	✓
Product Weight	110g/0.2lb	✓	✓
Category	CAT.III 600V	CE ETL	CE ETL



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DIGITAL CLAMP METERS

MS2203

THREE PHASE DIGITAL POWER CLAMP METER



MS2203

MASTECH®



Specifications	Range	Accuracy	
		MS2203	MS2203
AC Voltage(V)	0.1V – 600V	±(1.2% +5)	±(1.2% +5)
AC Current(A)	0.1A – 1000A	±(2% +5)	±(2% +5)
Active Power(kW)	0.01kW – 600kW	±(3% +5)	±(3% +5)
Apparent Power(kVA)	0.01kVA – 600kVA	±(3% +5)	±(3% +5)
Reactive Power(kVAr)	0.01kVAr – 600kVAr	±(4% +5)	±(4% +5)
Power Factor(PF)	0.3 – 1	±(2% +2)	±(2% +2)
Active Energy(kWh)	0.001kWh – 10000kWh	±(3% +2)	±(3% +2)
Frequency(Hz)	20Hz – 1000Hz	±0.5%	±0.5%
Features			
Display	9999 counts		
Jaw Opening	Φ50mm/2.0"		
Auto Ranging	✓		
Data Logging	28 groups		
True RMS	True Root Mean Square Measurement		
MAX/MIN	✓		
Data Hold	✓		
Display Backlight	✓		
USB Interface	Windows OS		
General			
Power Supply	4x1.5V AA		
Product Size	300mmx103mmx51mm		
Product Weight	11.8"×4.1"×2.0"		
	500g		
	5.5lb		
Category	CE CAT.III 600V		

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