

DATA SHEET

MANUAL RANGE MULTIMETER MAS830/ MAS830B/ MAS830L/ MAS838

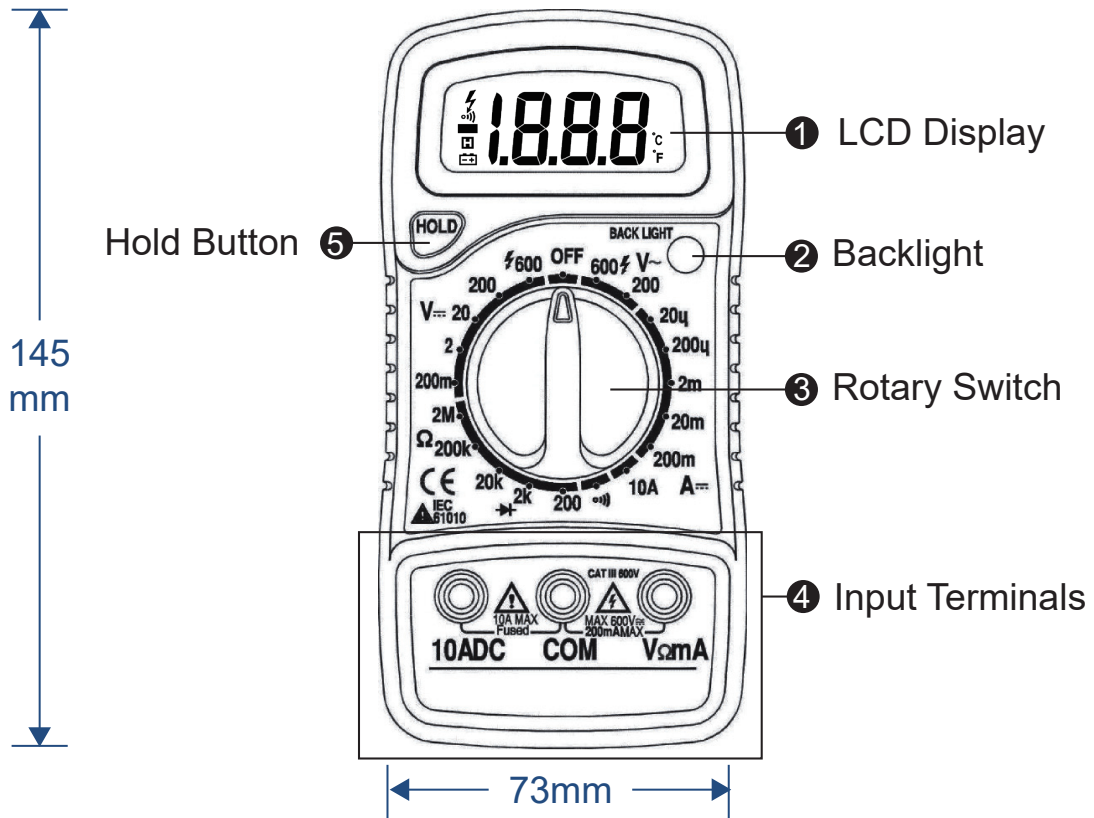
PRODUCT HIGHLIGHTS



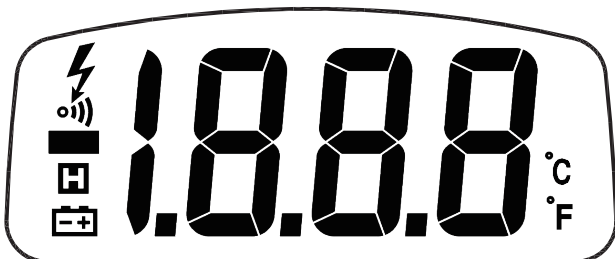
- 1999 Counts Digital Multimeter
- Voltage Measurement up to 600V AC/ DC
- Current Measurement up to 10A DC
- Resistance Measurement up to 2MΩ
- Diode Test
- Continuity & Buzzer Indication (Model Dependent)
- Data Hold
- Low Battery Indication
- Backlight (Model Dependent)
- Battery 9V(6F22) x 1



1. PANEL AND CONSTRUCTURE



2. LCD AND SYMBOL




- Display/ char. height: 7-segment characters/ 15 mm
- Number of digits: $3\frac{1}{2}$ 1999 steps
- Overflow display: "1" is displayed
- Polarity display:
 "_"(minus sign) is displayed
 if plus pole is connected to "⊥"
- Sample rate: 3 times/ sec for digital data

3. MANUAL RANGE MULTIMETER SELECTION GUIDE

	MAS830	MAS830B	MAS830L	MAS838
DC Voltage	200mV/ 2V/ 20V/ 200V/ 600V±(0.8%+2)			
AC Voltage	200V/ 600V±(1.2%+10)			
DC Current	20µA/ 200µA/ 2mA/ 20mA/ 200mA/ 10A±(3.0%+2)			200µA/ 2mA/ 20mA 200mA/ 10A±(3.0%+2)
AC Current	-			
Resistance	200Ω/ 2kΩ/ 20kΩ/ 200kΩ/ 2MΩ±(1.0%+2)			
Capacitance	-			
Frequency	-			
Temperature	-			-20°C~1000°C±2.0%
Display Counts	1999			
Safety Rating	CAT III 600V			
LCD Size	46 x 19 mm			
Continuity Buzzer	•	-	•	•
Diode Test	•	•	•	•
Data Hold	•	•	•	•
Low Power Indication	•	•	•	•
Supportive Stand	•	•	•	•
Backlight	-	-	•	-
Power	9V battery (6F22) x 1			
Size	145 x 73 x 38 mm			
Weight	~240g (without battery)			

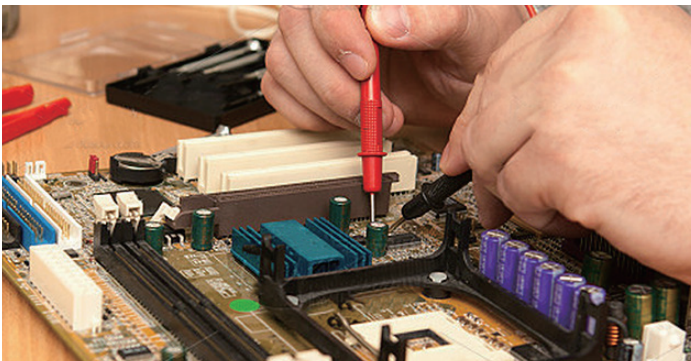
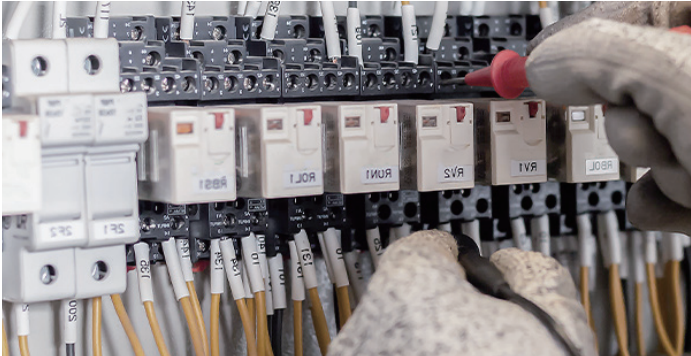
4. GENERAL SPECIFICATIONS

Function	Value
Electrical protection class	CAT III 600 V
Pollution degree	2
Operating altitude	< 2000 m
Operating temperature/ humidity	0°C~40°C, 32°F~104°F (<80% RH, <10°C non-condensing)
Storage temperature/ humidity	-10°C~50°C, 14°F~122°F (<80% RH, battery removed)
Typical temperature coefficient	0.1 x (specified accuracy) / °C (<18°C or >28°C)
Low battery indicator	The "  " is displayed when the battery is under the proper operation range
EMC	EN 61326-1
Safety LVD	EN 61010-1 EN 61010-031 EN 61010-033
Fuse	Fuse1: F 250mA/ 600V Fuse2: 10A/ 600V
Power supply	9V (6F22) x 1 Piece
Dimension/ weight	145(L) x 73(W) x 38(H) mm/ Approx 240g (without battery)

5. SCOPE OF SUPPLY

Model Number	Scope of Supply	Quantity
MAS830/ MAS830B MAS830L/ MAS838	Digital Multimeter	1 Piece
	Test Leads	1 Set
	Temperature Sensor (MAS838)	1 Piece
	User Manual	1 Piece
	Battery 9V (6F22) x 1	1 Piece
	Box	1 Piece

6. APPLICATIONS



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