DATA SHEET

DIGITAL MULTIMETER MAS830
MANUAL RANGE SELECTION

PRODUCT HIGHLIGHTS

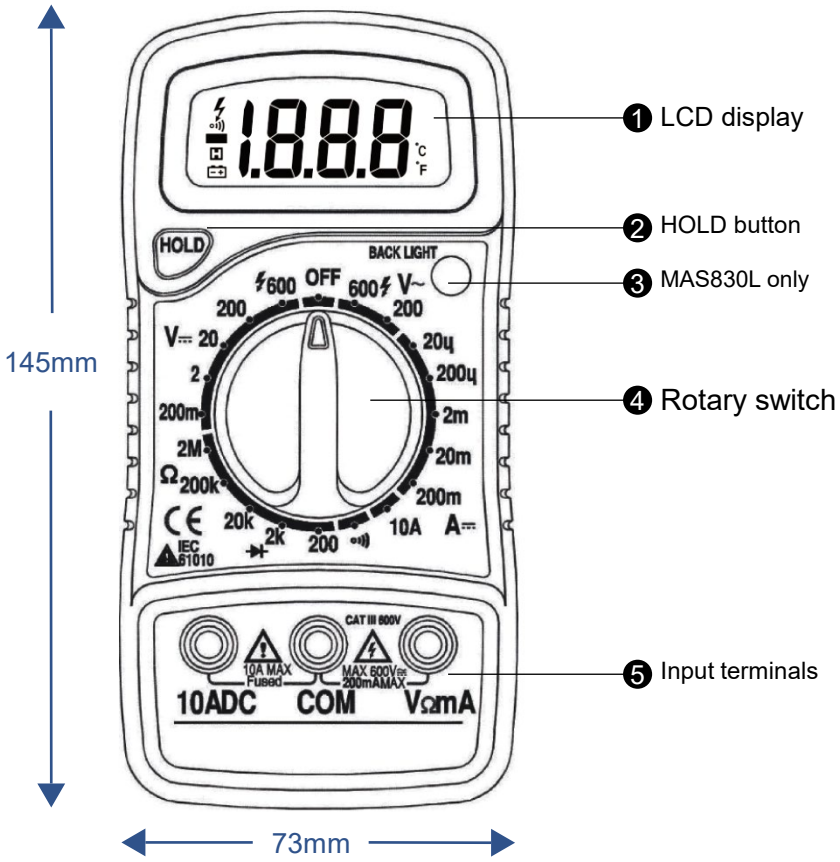


- LCD display – 1999 counts
- AC/DC voltage measurement up to 600 V
- DC current measurement up to 10 A
- Resistance measurement up to 2 MΩ
- Audible continuity test
- Diode test
- Data Hold function
- Low battery indication
- Manual measurement range selection
- Power supply: 1 × 9 V battery (6F22)

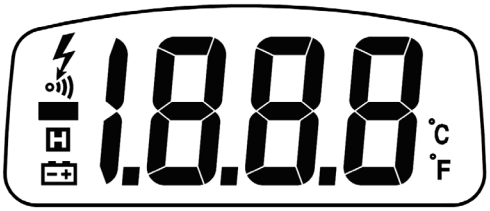
V≅ A⎓ Ω CAT III

HOLD MANUAL 6F22x1

1. PANEL AND CONTROLS



2. LCD AND SYMBOLS



- Digit height: 15 mm
  (7-segment)
- Maximum display count: 1999
- Overrange indication: “I”
- Polarity:
  “⊥” sign for negative values
- Sampling rate: 3 readings/s

3. TECHNICAL SPECIFICATIONS – MAS830

Parameter	MAS830
DC voltage	200 mV / 2 V / 20 V / 200 V / 600 V; up to ±(0.8% + 2)
AC voltage	200 V / 600 V; ±(1.2% + 10)
DC current	20 µA / 200 µA / 2 mA / 20 mA / 200 mA / 10 A; up to ±(3.0% + 2)
AC current	No
Resistance	200 Ω / 2 kΩ / 20 kΩ / 200 kΩ / 2 MΩ; up to ±(1.0% + 2)
Capacitance	No
Frequency	No
Temperature	No
Maximum display count	1999
Measurement category	CAT III 600 V
LCD size	46 × 19 mm
Audible continuity test	Yes
Diode test	Yes
Data Hold	Yes
Low battery indication	Yes
LCD backlight	No
Support stand	Yes
Power supply	1 × 9 V battery (6F22)
Dimensions	145 × 73 × 38 mm
Weight	approx. 240 g (without battery)

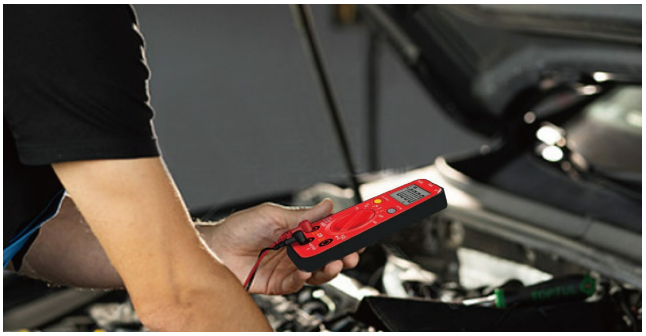
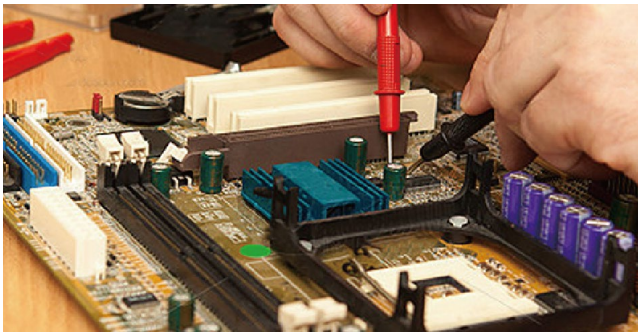
4. GENERAL SPECIFICATIONS

Parameter	Value
Measurement category	CAT III 600 V
Pollution degree	2
Operating altitude	below 2000 m
Operating conditions	0–40° C / 32–104° F (RH <80%, non-condensing)
Storage conditions	−10–50° C / 14–140° F (RH <80%, battery removed)
Temperature coefficient	0.1 × specified accuracy / ° C (<18° C or >28° C)
Low battery indication	Low battery level: symbol shown on display
EMC	EN 61326-1
Safety standards (LVD)	EN 61010-1, EN 61010-031, EN 61010-033
Fuses	Fuse 1: F 250 mA/600 V Fuse 2: F 10 A/600 V
Power supply	1 × 9 V battery (6F22)
Dimensions / weight	145 (L) × 73 (W) × 38 (H) mm / approx. 240 g (without battery)

5. SCOPE OF SUPPLY

Model	Scope of supply	Quantity
MAS830	Digital multimeter	1 pc.
	Test leads	1 set
	User manual	1 pc.
	9 V battery (6F22)	not included
	Box	1 pc.

6. APPLICATIONS


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*Specifications subject to change without notice