

Multimeter

ACMM-10

HIGHEST ACCURACY & LOWEST COST



ACMM-10

Autoranging/manual range selection.

“DATA HOLD” function, for holding measured values.

“REL” function, allows make measurements relative to stored reference value.


Continuity test with acoustic signalling (beeper).

“AUTO-OFF” function.

Display 3 digits (5000 max).

amperis

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Multimeter ACMM-10 has been designed for the purpose of measurements of AC/DC voltage, AC/DC current, resistance, capacitance, frequency, duty cycle, temperature and also for testing diodes and continuity.

Frequency measurement ("m.v."- measured value)

Range	Resolution	Accuracy
5,000 Hz	0,001 Hz	±(1,5% m.v. + 5 digits)
50,00 Hz	0,01 Hz	
500,0 Hz	0,1 Hz	
5,000 kHz	0,001 kHz	±(1,2% m.v. + 3 digits)
50,00 kHz	0,01 kHz	
500,0 kHz	0,1 kHz	
5,000 MHz	0,001 MHz	±(1,5% m.v. + 4 digits)
10,00 MHz	0,01 MHz	

• sensitivity: ≥8V RMS.

Duty cycle measurement

Range	Resolution	Accuracy
0,1...99,9%	0,1%	±(1,2% m.v. + 2 digits)

- sensitivity: ≥8V RMS.
- pulse width: 100µs - 100ms.
- frequency width: 5Hz...150kHz.

Temperature measurement

Range	Resolution	Accuracy*
-20°C...+760°C	1°C	±(3% m.v. + 5°C, 9°F)
-4°F...+1400°F	1°F	

*) probe (K type) accuracy not included.

Capacitance measurement

Range	Resolution	Accuracy
40,00 nF	0,01 nF	±(5,0% m.v. + 7 digits)
400,0 nF	0,1 nF	
4,000 µF	0,001 µF	±(3,0% m.v. + 5 digits)
40,00 µF	0,01 µF	
100,0 µF	0,1 µF	±(5,0% m.v. + 5 digits)

Resistance measurement

Range	Resolution	Accuracy
400,0 Ω	0,1 Ω	±(1,2% m.v. + 4 digits)
4,000 kΩ	0,001 kΩ	±(1,0% m.v. + 2 digits)
40,00 kΩ	0,01 kΩ	
400,0 kΩ	0,1 kΩ	±(1,2% m.v. + 2 digits)
4,000 MΩ	0,001 MΩ	
40,00 MΩ	0,01 MΩ	±(2,0% m.v. + 3 digits)

DC voltage measurement

Range	Resolution	Accuracy
400,0 mV	0,1 mV	±(0,5% m.v. + 2 digits)
4,000 V	0,001 V	
40,00 V	0,01 V	±(1,5% m.v. + 2 digits)
400,0 V	0,1 V	
600 V	1 V	±(1,5% m.v. + 2 digits)

• input impedance: 7,8 MΩ.

AC voltage measurement

Range	Resolution	Accuracy
400,0 mV	0,1 mV	±(1,5% m.v. + 2 digits)
4,000 V	0,001 V	±(1,2% m.v. + 3 digits)
40,00 V	0,01 V	
400,0 V	0,1 V	±(1,5% m.v. + 3 digits)
600 V	1 V	
600 V	1 V	±(2,0% m.v. + 4 digits)

- input impedance: 7,8 MΩ.
- frequency range: 50...400Hz.

DC current measurement

Range	Resolution	Accuracy
400,0 µA	0,1 µA	±(1,0% m.v. + 3 digits)
4 000 µA	1 µA	
40,00 mA	0,01 mA	±(1,5% m.v. + 3 digits)
400,0 mA	0,1 mA	
4,000 A	0,001 A	±(2,5% m.v. + 5 digits)
10,00 A	0,01 A	

AC current measurement

Range	Resolution	Accuracy
400,0 µA	0,1µA	±(1,5% m.v. + 5 digits)
4 000 µA	1 µA	
40,00 mA	0,01 mA	±(1,8% m.v. + 5 digits)
400,0 mA	0,1 mA	
4,000 A	0,001 A	±(3,0% m.v. + 7 digits)
10,00 A	0,01 A	

• frequency range: 50...400Hz.

ACMM-10 Specifications

Electric security:

Type of insulation	Double, according to EN 61010-1 and IEC 61557
Measurement category	CAT II 600V acc. to EN 61010-1:2004
Protection class acc. to EN 60529	IP40

Other technical data:

Power supply	9V battery type 6LR61
Diode test	I=0,3mA, U =1,5V DC
Continuity test	I<0,3mA, sound signal for R<50Ω
Over range indication	OL displayed
Sampling rate	2 times per second
Input impedance	7,8MΩ (V AC/DC)
Display	5000 counts LCD display with function indication
Dimensions	138 x 68 x 37 mm
Weight	approx. 210 g
Fuses	mA, μA range: 0,5A/250V fast A range: 10A/250V fast
Auto power OFF	30 min
Accordance with following standards	EN 61010-1:2004 EN 61010-2-032
Quality standard	ISO 9001

Rated operational conditions:

Operating temperature	0...+50°C at <70% rel. humidity
Storage temperature	-20...+60°C at <80% rel. humidity

Standard accessories:

- Test leads (2 pcs.)
- Battery 9V
- K type temperature probe
- Operating manual

Optional accessories:

- Carrying case S1

