

HT401

PROFESSIONAL MULTIMETER WITH AC+DC TRMS MEASUREMENT

HT401 is a TRMS professional digital multimeter capable of measuring AC/DC voltage and AC/DC current. Among its several functions AC+DC mode is used to take into account DC components on the AC signal while AC voltage measurement under low impedance condition reduces measurement influences between adjacent conductors. HT401 is designed to comply with safety standards IEC/EN61010-1 under CAT III 1000V and CAT IV 600V with double insulation protection. It is provided with auto power off and back light function to carry out measurements under poorly lighted environments.

TECHNICAL SPECIFICATIONS

DC Voltage

Measurement range: 0.01mV ÷ 1000V

Basic accuracy: $\pm(0.08\%rdg + 2dgt)$

AC TRMS Voltage

Measuring range: 0.01mV ÷ 1000V

Basic accuracy: $\pm(0.8\%rdg + 5dgt)$

AC+DC TRMS Voltage

Measuring range: 0.01mV ÷ 1000V

Basic accuracy: $\pm(2.0\%rdg + 5dgt)$

Auto-V (low impedance AC/DC Voltage measurement)

Measuring range: 0.1V ÷ 1000V

Basic accuracy: $\pm(0.8\%rdg + 3dgt)$

DC Current

Measuring range: 0.01mA ÷ 10.00A

Basic accuracy: $\pm(0.8\%rdg + 3dgt)$

AC TRMS Current

Measuring range: 0.01mA ÷ 10.00A

Basic accuracy: $\pm(1.2\%rdg + 3dgt)$

AC+DC Current

Measuring range: 0.01mA ÷ 10.00A

Basic accuracy: $\pm(2.0\%rdg + 5dgt)$

Frequency

Measuring range: 0.01Hz ÷ 100.00kHz

Basic accuracy: $\pm(0.1\%rdg + 2dgt)$

Resistance and continuity test

Measuring range: 0.1 Ω ÷ 40.00M Ω

Basic accuracy: $\pm(0.8\%rdg + 2dgt)$

Buzzer: <30 Ω

Diode test

Measuring range: 2.000V

Basic accuracy: $\pm(1.5\%rdg + 2dgt)$

Capacitance

Measuring range: 0.001 μ F ÷ 10.00mF

Basic accuracy: $\pm(1.2\%rdg + 2dgt)$

Temperature with K probe

Measuring range: -40.0 $^{\circ}$ C ÷ 400 $^{\circ}$ C
-40.0 $^{\circ}$ C ÷ 752 $^{\circ}$ F

Basic accuracy: $\pm(1.0\%rdg + 10dgt)$
 $\pm(1.0\%rdg + 18dgt)$

GENERAL SPECIFICATIONS

Display: LCD, 4 digits, 6000 counts

Power supply: 1x9V alkaline battery type 6F22

Battery life: 150 hours

Auto Power OFF: after 20 minutes of idleness

Safety: IEC/EN61010-1

Measurement category: CAT III 1000V, CAT IV 600V

Insulation: double insulation

Pollution degree: 2

Max altitude: 2000m

Dimensions (LxWxH): 190x94x48mm

Weight (batteries included): 460g

FUNCTIONS

DC/AC TRMS voltage

DC/AC TRMS current

AC + DC measurement

AC voltage measurement with low impedance

"VoltSense" for AC voltage detection without contact

Resistance and continuity test

Frequency

Diode test

Capacitance

Temperature with K type probe

Data HOLD

MAX/MIN/PEAK

Relative measurement

Automatic/Manual range

Backlight

Bargraph

Auto Power OFF

ACCESSORIES

Standard

Test leads

K-type probe adapter

K-type bead probe

Battery

User manual

Optional

K-type probes

