

HT701

PROFESSIONAL MULTIMETER WITH INSULATION MEASUREMENT

HT701 is a professional instrument working as TRMS multimeter and insulation resistance tester with test voltage selectable among 50, 100, 250, 500, 1000VDC. HT701 can save test results into its internal memory and is designed according to safety standards IEC/EN61010-1 under CAT III 1000V and CAT IV 600V with double insulation protection. Each function can be selected pressing the front panel's keys. The instrument represents the best solution for applications in industrial automation.

FUNCTIONS

DC/AC TRMS voltage
DC/AC TRMS current
Insulation with test voltage up to 1000VDC
Resistance and continuity test
Frequency
Diode test
Capacitance
Temperature with K type probe
Internal memory for measurement storage
Data HOLD
MAX/MIN
Relative measurement
Automatic/Manual range
Backlight
Bargraph
Auto Power OFF

GENERAL SPECIFICATIONS

Display:	LCD, 10000 counts
Power supply:	4x1.5V alkaline batteries type AA LR6
Auto Power OFF:	after 20 minutes of idleness
Safety:	IEC/EN61010-1, IEC/EN61557-1-2
Measurement category:	CAT III 1000V, CAT IV 600V
Insulation:	double insulation
Pollution degree:	2
Max altitude:	2000m
Dimensions (LxWxH):	207x95x52mm
Weight (batteries included):	630g

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: $\pm(0.9\%rdg + 3dgt)$

AC TRMS Voltage - HFR mode

Measuring range: 0.001V ÷ 1000.0V

Basic accuracy: $\pm(0.9\%rdg + 3dgt)$

DC Current

Measuring range: 0.01mA ÷ 400.0mA

Basic accuracy: $\pm(0.2\%rdg + 2dgt)$

AC TRMS Current

Measuring range: 0.01mA ÷ 400.0mA

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

Resistance and continuity test

Measuring range: 0.1Ω ÷ 40.00MΩ

Basic accuracy: $\pm(0.5\%rdg + 2dgt)$

Buzzer: <30Ω

Diode test

Measuring range: 2.000V

Basic accuracy: $\pm(0.5\%rdg + 2dgt)$

Frequency

Measuring range: 0.01Hz ÷ 100.00kHz

Basic accuracy: $\pm(0.1\%rdg + 5dgt)$

Capacitance

Measuring range: 0.001μF ÷ 40.00mF

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

Temperature with K probe

Measuring range: -200.0°C ÷ 1200°C
-328.0°C ÷ 2192.0°F

Basic accuracy: $\pm(1.0\%rdg + 1^{\circ}C)$
 $\pm(1.0\%rdg + 18^{\circ}F)$

Insulation measurement

Test voltage: 50, 100, 250, 500, 1000VDC

Measuring range: 2.000MΩ ÷ 22.0GΩ

Basic accuracy: $\pm(1.5\%rdg + 5dgt)$

ACCESSORIES

Standard

Pair of test leads
Pair of crocodiles
Probe for insulation measurement
K-type probe adapter
K-type bead probe
Magnet strap
Rubber holster
Batteries
user manual

Optional

K-type probes

HT701
HR000701



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