

Metravi - Digital Clamp Meter [DT-625]



Features :

- CPU-controlled 3 3/4 digits auto range A/D converter.
- 2 x AAA batteries with independent battery case, convenient for changing battery.
- Function selection switch. Convenient for single hand operation.
- Touch pad data hold function, convenient for data observation and record.
- 40A/400A AC current testing, resolution 0.01A.
- 5MHZ high accurate frequency measuring, resolution 0.01HZ.
- 40nF-400mF capacitance measuring, resolution 0.01nF.
- Wide range temperature and duty cycle measurement (DT-625).
- 400A DC current measurement, resolution 0.01A, auto zero (DT-725).
- Auto power off if kept idle for 30 minutes
- Data Hold to Freeze the Displayed Data

General Specifications :

Maximum reading : 3 - 3/4 Digits 3999 automatic polarity indication

Measuring method : Integrating A/D converter

Sampling rate : 3 times/second

Overload indication : "OL" display

Power supply : 2 x AAA battery (UM-4)

Maximum COM voltage : 500V DC/AC true value

Operating Environment : 0oC - 50 oC, humidity less than 80% RH

Storage Environment : -10 oC - 50 oC, humidity less than 85% RH

Low Battery : Display in the LCD

Accessories : Instruction manual x 1, probe x 1 pair, 2 x AAA battery, carrying case x 1, K-type temperature probe (DT-625 Only)

Safety Precaution :

Function	Input	Maximum voltage
DCV	V/Ω COM	600 VAC RMS/DC
ACV	V/Ω COM	600 VAC RMS/DC
W	V/Ω COM	250 VAC RMS/DC
Cx	V/Ω COM	250 VAC RMS/DC
Hz	V/Ω COM	250 VAC RMS/DC



Technical Specifications

Guaranteed uncertainty temperature measure range 23Co ±Co, humidity less than 75%RH.

AC/DC Voltage

Range	Resolution	Uncertainty
DC400mV-600V	0.1mV	± (0.8%+3d)
AC 400mV-600V	0.1mV	± (1.5%+3d)

AC/DC Current

Range	Resolution	Uncertainty
40A/400A AC	0.01A	± (2.5%+10d)

Resistance

Range	Resolution	Uncertainty
400Ω-4MΩ	0.1Ω	± (1%+3d)
40MΩ	10kΩ	± (3%+3d)

Frequency/duty cycle

Range	Resolution	Uncertainty
10Hz - 5MHz	0.01Hz	± (0.2%+3d)
100%	0.1%	

capacitance

Range	Resolution	Uncertainty
40nF-40mF	0.01nF	± (2%+5d)
100mF	0.1mF	± (5%+3d)

NB: 1. Testing frequency is about 2.5Hz

Diode and Continuity

Range	Resolution	Uncertainty
4V	0.001V	>1.2V
400W	0.1W	less than 1V

Temperature (Dt-625) Measuring with K-type Probe

Range	Resolution	Uncertainty
-20Co - 0 Co	1 Co	± (2%+5 Co)
Co - 400 Co	1 Co	± (2%+3 Co)

