

## MTP Digital Multimeter

**MODEL: MTP-2322**

### Features

- 30(h) x 60(w)mm Digital LCD
- Auto-power Off
- Frequency Measurement
- Capacitance Measurement
- Temperature Measurement
- Transistor test
- Fuse protected
- Audible diode test

### General Specifications:

Numerical Display: 30(w) x 60(h)mm digital crystal display (LCD) maximum reading 3999

Over Range: LCD will show a "1"

Indication

Low battery: "BT" is displayed when battery voltage drops below operating voltage

Sampling Rate: 2-3 times/sec.

### Specifications

#### Electrical Specifications:

##### DC Voltage

Range: 200mV/2V/20V/200V/1000V

Resolution: 0.1mV/1mV/10mV/0.1V/1V

Accuracy:  $\pm 0.5\%$  rdg  $\pm 1$  dgt

Input Impedance: 10M $\Omega$

Overload Protection: 250V DC/1000V DC

##### AC Voltage:

Range: 200mV/2V/20V/200V/700V

Resolution: 0.1mV/1mV/10mV/0.1V/1V

Accuracy:  $\pm 1.2\%$  rdg  $\pm 3$  dgts/ $\pm 0.8\%$  rdg  $\pm 3$  dgts/  $\pm 0.8\%$  rdg  $\pm 1$  dgt/ $1.2\%$  rdg  $\pm 2$  dgts

Input Impedance: 10M $\Omega$

Overload Protection: 250V AC/700V AC

Frequency Response: 40~400Hz

##### DC Current:

Range: 2mA/20mA/200mA/10A

Resolution: 1 $\mu$ A/10 $\mu$ A/0.1mA/10mA

Accuracy:  $\pm 0.8\%$  rdg  $\pm 1$  dgt/ $\pm 1.5\%$  rdg  $\pm 1$  dgt/ $2.0\%$  rdg  $\pm 5$  dgts

Burden Voltage: 110mV/mA - 15mV/mA - 5.0mV/mA - 0.03V/A

Overload Protection: 2A fused/20A for 15 sec.

#135-MTP-2322



Measuring Method: Dual-Slope Integration A/D converter  
Power Source: One 006p 9V or IEC 6F22 or NEDA 1604 battery  
Polarity: Automatic polarity "-" display for negative input  
Operating and Storage 0°C to 40°C (32°F to 104°F)  
Temperature and Humidity: -10°C to 50°C (10°F to 122°F)  
Dimensions: 189(l) x 91(w) x 31.5(h)mm  
Weight: Approx. 310g

##### AC Current:

Range: 2mA/20mA/200mA/10A

Resolution: 1 $\mu$ A/10 $\mu$ A/0.1mA/10mA

Accuracy:  $\pm 1.0\%$  rdg  $\pm 3$  dgts/ $\pm 1.8\%$  rdg  $\pm 3$  dgts/  $\pm 3.0\%$  rdg  $\pm 5$  dgts

Burden Voltage: 110mV/mA - 15mV/mA - 5.0mV/mA - 0.03V/A

Overload Protection: 2A fused/20A for 15 sec.

Frequency Response: 40~400Hz

##### Resistance:

Range: 200 $\Omega$  /2K $\Omega$  /20K $\Omega$  /200K $\Omega$  /2M $\Omega$  /20M $\Omega$  /200M $\Omega$

Resolution: 0.1 $\Omega$  /1 $\Omega$  /10 $\Omega$  /100 $\Omega$  /1K $\Omega$  /10K $\Omega$  /100K $\Omega$  /

Accuracy:  $\pm 0.8\%$  rdg  $\pm 3$  dgts/ $\pm 0.8\%$  rdg  $\pm 1$  dgt/  $\pm 1.0\%$  rdg  $\pm 2$  dgts/ $\pm 5\%$  rdg  $\pm 10$  dgts

Overload Protection: 250V

##### Frequency:

Range: 20KHz

Resolution: 10Hz

Accuracy:  $\pm 1.0\%$  rdg  $\pm 5$  dgts

Sensitivity: 200mV

Overload Protection: 250V

##### Temperature:

Range: -20°C to 1000°C

Resolution: 1°C

Accuracy: -20°C to 0°C  $\pm 5\%$  rdg  $\pm 4$  dgts

0°C to 400°C  $\pm 1\%$  rdg  $\pm 3$  dgts

400°C to 1000°C  $\pm 2.0\%$  rdg

**Accessories:** Test Leads, Holster case, battery and operating manual