

MTP Digital Multimeter

MODEL: MTP-2321

Features

- 30(h) x 60(w)mm Digital LCD
- Transistor test
- Fuse protected
- Audible diode test

#135-MTP-2321



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.
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

Specifications

Electrical Specifications:

DC Voltage

Range: 200mV/2V/20V/200V/1000V
Resolution: 0.1mV/1mV/10mV/0.1V/1V
Accuracy: $\pm 0.5\%$ rdg ± 1 dgt
Input Impedance: 10M Ω
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 ± 3 dgts/ $\pm 0.8\%$ rdg ± 3 dgts/
 $\pm 0.8\%$ rdg ± 1 dgt/ 1.2% rdg ± 2 dgts
Input Impedance: 10M Ω
Overload Protection: 250V AC/700V AC
Frequency Response: 40~400Hz

DC Current:

Range: 20 μ A/200 μ A/2mA/20mA/200mA/2A/10A
Resolution: 0.01 μ A/0.1 μ A/1 μ A/10 μ A/0.1mA/0.1mA/10mA
Accuracy: $\pm 2.0\%$ rdg ± 5 dgts/ $\pm 0.8\%$ rdg ± 1 dgt/
 $\pm 1.5\%$ rdg ± 1 dgt/ 2.0% rdg ± 5 dgts
Burden Voltage: 10mV/ μ A - 1.0mV/ μ A - 100mV/mA
11mV/mA - 2.0mV/mA - 0.4V/A - 0.03V/A
Overload Protection: 2A fused/10A fused

AC Current:

Range: 200 μ A/2mA/20mA/200mA/2A/10A
Resolution: 0.1 μ A/1 μ A/10 μ A/0.1mA/1mA/10mA
Accuracy: $\pm 1.8\%$ rdg ± 3 dgts/ $\pm 1.0\%$ rdg ± 3 dgts/
1.8% rdg ± 3 dgts/ $\pm 3.0\%$ rdg ± 7 dgts
Burden Voltage: 1.0mV/ μ A - 100mV/mA - 11mV/mA -
2.0mV/mA - 0.4V/A - 0.03V/A
Overload Protection: 2A fused/10A fused
Frequency Response: 40~400Hz

Resistance:

Range: 200 Ω /2K Ω /20K Ω /200K Ω /2M Ω /20M Ω /200M Ω
Resolution: 0.1/1 Ω /10 Ω /100 Ω /1K Ω /10K Ω /100K Ω /
Accuracy: $\pm 0.8\%$ rdg ± 3 dgts/ $\pm 0.8\%$ rdg ± 1 dgt/
 $\pm 1.0\%$ rdg ± 2 dgts/ $\pm 5\%$ rdg ± 10 dgts
Overload Protection: 250V

Diode:

Range:
Description: Shows the approximate forward voltage drop
Test Condition: Forward Current 1mA Vce 3.2

Continuity:

Range:
Description: Built in buzzer will sound, if the resistance under test is less than about 70 Ω

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