

Model 6100 - 3 3/4 Auto ranging , Economy priced, DMM



With Diode, Capacitance, Duty Cycle, Continuity and Frequency functions.

Features

- 3 3/4 digit and 4000 count
- Back lit display
- Appropriate Input jacks light up when measurement function is selected
- CATII 1000V and CAT III 600V input and test leads
- Measures Capacitance, Frequency and duty cycle
- Buzzer and flashing light warning when leads are connected to wrong input or overload
- Relative measurement and data hold
- Resettable current overload fuses, no need to open the meter to replace the blown fuse
- Auto and manual Ranging

Specifications

DC Volts:

Ranges: 400mV, 4V, 40V, 400V, 1000V
Best Resolution: 100 μ V
Accuracy: \pm (0.7% +2d);
 \pm (0.8% +2d) 1000V range

Input Impedance: 10M Ω
Maximum Input volts: 1000V DC

AC Volts:

Ranges: 400mV, 4V, 40V, 400V, 1000V
Best Resolution: 100 μ V
Accuracy: \pm (0.8% +3d); all other range
 \pm (3.0% +3d) 400mv range
 \pm (1.0% +3d) 1000V range

Input Impedance: 10M Ω
Maximum Input volts: 750V AC

DC Current:

Ranges: 400 μ A, 4000 μ A, 40mA, 400ma, 10A
Best Resolution: 100pA
Accuracy: \pm (1.2% +3d)
 \pm (2.0% +3d) 10A range
Overload Protection: 500mA /250V resettable fuse and 10A/ 250V fuse

AC Current:

Ranges: 400 μ A, 4000 μ A, 40mA, 400ma, 10A
Best Resolution: 100pA
Accuracy: \pm (1.5% +5d)
 \pm (3.0% +7d) 10A range
Overload Protection: 500mA /250V resettable fuse and 10A/ 250V fuse

Resistance:

Ranges: 400.0 Ω , 4.000K Ω , 40.00K Ω , 400.0K Ω ,
4.000M Ω , 40.00M Ω
Best resolution: 0.1 Ω
Accuracy: \pm (1.2% +2d)
 \pm (2.0% +5d) 40M Ω range
Open circuit voltage: approx. 250mV
Overload Protection: 250VDC or RMS

Capacitance:

Ranges: 4nF, 40nF, 400nF, 4 μ F, 40 μ F, 200 μ F
Best Resolution: 1pF
Accuracy: \pm (3.0% +5d)
 \pm (5.0% +5d) 4nF range
Overload protection: 400mA/250V resettable fuse

Frequency:

Ranges: 9.999Hz, 99.99Hz, 999.9Hz, 9.999KHz,
99.99KHz, 199.9KHz
Best Resolution: 0.001Hz.
Accuracy: \pm (3.0% +5d)
Unspecified greater than 200 KHz
Overload Protection: 250V DC or RMS
Sensitivity: 0.6V to 3V rms.

Duty Cycle:

Range: 0.1% to 99.9%
Resolution: 0.1%
Accuracy: \pm 3.0%

Continuity Buzzer

Open circuit V: 0.5V
Buzzer will sound at < 50 Ω resistance

Diode:

Open Circuit Voltage: 1.5V DC
Test Current: 1mA
Overload Protection: 250V DC or RMS

Transistor test:

HFE range: 0 to 1000
Base Current: 10 μ A
Open circuit Vce: 2.8V

General Specifications:

Operating Temperature:
0 to 40°C (32°F to 122°F) with < 70% humidity

Dimensions: 7.7" (H) x 3.6"(W) x 2.2" (D)
195 x 92 x 55 mm

Weight: 14.3 oz

Power: 3x 1.5V AAA Batteries
Accessories: Test Leads, Operator's manual and batteries

Protek
Test and Measurement

45 Smith Street, Englewood, NJ 07631
Phone: (201)227-1161 Fax: (201)227-1169

sales@protektest.com www.protektest.com