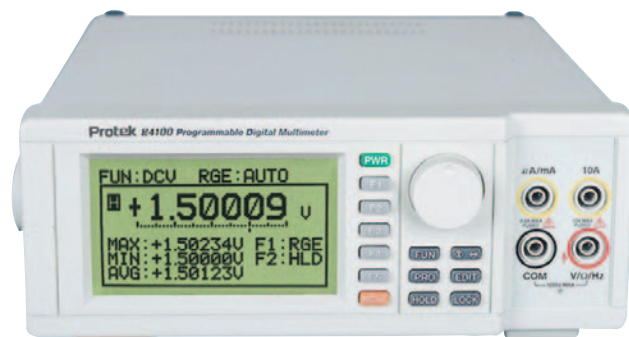


Bench Top Digital Multimeter 5-1/2 Digit Programmable

- 5-1/2 Digit multimeter with selectable count resolutions up to 200,000
- True RMS and measures frequency
- Selectable Count Resolutions: 2K, 20K, 200K
- Auto-ranging
- Trend plot display
- RS-232 interface standard and optional GPIB interface
- Min/Max/Avg, Relative error and comparison functions
- May be used on line voltages from 85V to 250V without any internal changes
- Software included
- Seven setups may be stored and recalled in memory



B4100

SPECIFICATIONS ■

[B4100]

Display

Slow: Counts: 200,000; Digits: 5 ½
Medium: Counts: 20,000; Digits: 4 ½
Fast: Counts: 2,000; Digits: 3 ½

Specifications (at 25°C ±5°C, 77°F ±9°F)

DC Voltage

Ranges: 2V, 20V, 200V, 1000V
Best Resolutions:
10µV (Slow), 100µV (Med), 1mV (Fast)
Accuracy: ±(0.05% + 3d)
Input Impedance: 10MΩ
Overload Protection: 1000V

AC Volts

Ranges: 2V, 20V, 200V, 1000V
Best Resolutions: 100µV (Slow and Med), 1mV (Fast)
Accuracy: ±(0.5% + 5d) 45Hz to 450Hz
Overload Protection: 1000V
Crest Factor: 3:1

DC Current

Ranges: 200µA, 200mA, 10A
Best Resolutions:
200µA: 1nA (Slow), 10nA (Med), 100nA (Fast)
200mA: 1µA (Slow), 10µ (Med), 100µA (Fast)
10A: 100µA (Slow), 1mA (Med), 10mA (Fast)
Accuracy: ±(0.1% + 5d), Max burden: 200mV
Overload Protection: 0.5A/250V and 10/250V fuse

AC Current

Best Resolutions:
200µA: 10nA (Slow and Med), 100nA (Fast)
200mA: 1µA (Slow), 10µA (Med), 100µA (Fast)
10A: 100µA (Slow), 1mA (Med), 10mA (Fast)
Accuracy: ±(0.5% + 5d), Max burden: 200mV
Overload Protection: 0.5A/250V and 10A/250V fuse

Resistance

Ranges: 200Ω, 2KΩ, 200KΩ, 2MΩ, 10MΩ
Best Resolutions:
1mΩ (Slow), 10mΩ (Med), 100mΩ (Fast)
Accuracy: ±(0.05% + 5d)
Overload Protection: 250V or AC RMS

Frequency

Ranges: 200Hz, 2KHz, 20KHz, 200KHz
Best Resolutions:
1mHz (Slow), 10mHz (Med), 100mHz (Fast)
Accuracy: ±(0.05% + 2d)
Overload Protection: 250V DC or AC RMS

Diode

Range: 2V
Test Current: Approximately 1.0mA
Test Volts: Approximately 3V
Continuity: Buzzer will sound at 100Ω or less

Interface

Type: RS-232
Connector: 9 Pin din
Baud Rate: 1200, 2400, 4800 or 9600 bps
GPIB: optional

General Specifications

Display: 128 x 64 pixel super twist LCD
Size: 3.3" (H) x 9.5" (W) x 10.5" (D)
Weight: 3.2 lbs
Operating Temperature: 0 to 50°C (32 to 120°F)
Power: 85V to 275V ±10%
Supplied Accessories: Manual, Line cord, Software disk, RS-232 cable, Test Leads
Optional Accessories: GPIB interface