

Selector Guide

Low Voltage/Low Resistance Meters

MODEL	2182A	1801 with 2001 or 2002	2002	2010	2750
Page	219	225	21	23	228
VOLTAGE RANGE (Full Scale)					
From	10 mV	20 μ V	200 mV	100 mV	100 mV
To	100 V	2 mV	1000 V	1000 V	1000 V
Input Voltage Noise	1.2 nV rms	0.12 nV rms	150 nV rms	100 nV rms	<1.5 μ V rms
RESISTANCE RANGE					
From¹	10 n Ω ³	20 μ Ω	1.2 m Ω	0.9 m Ω	0.4 m Ω
To²	100 M Ω ³	200 Ω	1 G Ω	100 M Ω	100 M Ω
THERMOCOUPLE TEMPERATURE					
From	-200°C	-200°C	-200°C	-200°C	-200°C
To	1820°C	1820°C	1820°C	1372°C	1820°C
FEATURES					
IEEE-488	•	•	•	•	•
RS-232	•		•	•	•
CE	•		•	•	•
Input Connection	Special low thermoelectric w/copper pins. Optional 2187-4 Modular Probe Kit adds banana plugs, spring clips, needle probes, and alligator clips.	Copper nuts	Banana jacks (4)	Banana jacks (4)	Banana jacks (4)
Special Features	Delta mode and differential conductance with Model 6220 or 6221. Pulsed I-V with Model 6221. Analog output. IEEE-488. RS-232.	Multi-function. Temperature. IEEE-488. DMM.	8½ digits. DMM. Plug-in scanner cards.	Dry circuit. Offset compensation. DMM. IEEE-488. RS-232. Plug-in scanner cards.	Dry circuit. Offset compensation. DMM. IEEE-488. RS-232. Digital I/O. Plug-in modules.

1. Lowest resistance measurable with better than 10% accuracy.
2. Highest resistance measurable with better than 1% accuracy.
3. Delta mode, offset voltage compensation with external current source. 10n Ω if used with 5A test current with Model 2440.



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