



TECHNICAL DATA

Specifications

DC Voltage Measurement

Range: 28V
 Output Range: -0.200 to 28.000V
 Resolution: 1mV
 Accuracy: $\pm 0.02\%$ reading $\pm 2\text{mV}$

DC Current Measurement

Range: 20mA
 Output Range: -1.000 to 22.000mA
 Resolution: 0.001mA
 Accuracy: $\pm 0.02\%$ reading $+ 4\mu\text{A}$

Loop Current Measurement

Range: 20mA
 Output Range: 0.000 to 22.000mA
 Resolution: 0.001mA
 Accuracy: $\pm 0.02\%$ reading $+ 4\mu\text{A}$

Current Output

Range: 20mA
 Output Range: 0.000 to 22.000mA
 Resolution: 0.001mA
 Accuracy: $\pm 0.05\%$ setting $+ 4\mu\text{A}$

Analog Transducer Output

Range: -20mA
 Output Range: 0.000 to -22.000mA
 Resolution: 0.001mA
 Accuracy: $\pm 0.05\%$ setting $+ 4\mu\text{A}$
 Loop Power: 24V
 Accuracy: $\pm 10\%$

General Specifications

Display: 5-Digit LCD
 Kick Stand: Yes
 Power Supply: 2 AA Batteries
 Battery Life: Approx. 20 hours
 Auto Shut Off: Yes (after 15 mins/off)
 Low Battery Indicator: Yes
 Replaceable Test Leads: Yes
 Product Certifications: CE
 Operating Temperature: 32 to 122°F (0 to 50°C)
 Operating Humidity Range: 0 to 85%
 Storage Temperature: 14 to 122°F (-10 to 50°C)
 Dimensions: 7.1 x 3.5 x 1.9"
 (180 x 90 x 47mm)
 Weight: 8.2oz (500g)

Features

- mA sourcing and measurement
- Large, 5-digit LCD display
- 0-28 VDC measurement to check loop voltage
- Basic measurement/sourcing accuracy of 0.02% and 0.05%, respectively
- Simulate mA and % with 0.001% display span
- Selectable step or ramp outputs
- Internal 24V loop power supply
- Low battery indicator and auto shut off
- Includes test leads, alligator clips, protective holster and batteries

Model	Description
R5820	Loop Calibrator
FC-300	Fused Test Lead Set
R1000	Safety Test Lead Set, Double Insulated
CA-05A	Soft Carrying Case
C-820	Soft Carrying Case
R5820-NIST	Loop Calibrator & NIST