



### 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
TL-88-1	Safety Test Lead Set, Double Insulated
CA-52A	Soft Carrying Case
C-820	Soft Carrying Case
R5820-NIST	Loop Calibrator & NIST