REED INSTRUMENTS

Loop Calibrator
Model **R5825**

Designed to provide precise mA sourcing and measurement. With 0-30 VDC measurement capabilities, it ensures reliable loop voltage checks and offers exceptional accuracy of 0.02% for measurement and 0.05% for sourcing. Allowing for precise mA and % simulation with a 0.001% display span, along with selectable step or ramp outputs.

TECHNICAL DATA

Specifications

DC Voltage Measurement	30V
Range	-30.000 to 30.000V
Output Range	0.001V
Resolution	±0.02% rdg. + 2mV
Accuracy	
DC Current Measurement	30mA
Range	-30.000mA to 30.000mA
Output Range	0.001mA
Resolution	±0.02% rdg. + 4µA
Accuracy	
Current Output	30mA
Range	0.000 to 30.000mA
Output Range	0.001mA
Resolution	±0.05% rdg. + 4µA
Accuracy	
Analog Transducer Output	24V
Loop Power	±10%
Accuracy	
General Specifications	6-Digit LCD
Display	Yes
Backlit Display	Yes
Kick Stand	Yes (R5900 sold separately)
Magnetic Hanger Compatible	Yes
Built-In Flashlight	Yes
Zero Adjustment Button	3 AA Batteries
Power Supply	Approx. 20 hours
Battery Life	Yes
Cold Junction Compensation	Yes (up to 60 minutes/off)
Auto shut off	Yes
Low Battery Indicator	Yes
Replaceable Test Leads	CE
Product Certifications	32 to 122°F (0 to 50°C)
Operating Temperature	0 to 85%
Operating Humidity Range	14 to 122°F (-10 to 50°C)
Storage Temperature	7.5 x 3.5 x 2.1" (191 x 90 x 53mm)
Dimensions	17.6oz (500g)
Weight	

Features

- mA sourcing and measurement
- 0-30 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
- Easy to read 6-digit LCD display
- Built-in LED flashlight
- Internal 24V loop power supply
- Low battery indicator and auto shut off
- Includes test leads, alligator clips and batteries

Model	Description
R5825	Loop Calibrator
R5825-NIST	Loop Calibrator & NIST
R5900	Magnetic Meter Strap

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