REED INSTRUMENTS

Voltage/Current Simulator
Model **R5805**

1 YEAR WARRANTY

Designed to accurately source both voltage and current for a wide range of testing and calibration needs. Featuring a clear 6-digit LCD display and a convenient kickstand, it ensures easy readability and hands-free operation in various environments.

Features

- Sources voltage and current
- Easy to read 6-digit LCD display
- Built-in LED flashlight
- Automatic calibration
- Low battery indicator and auto shut off
- Includes test leads, alligator clips and batteries

Specifications

DC Voltage	
Range	10V
Output Range	-1.000 to 11.000V
Resolution	0.001V
Accuracy	±0.05% rdg. +2mV
DC Current	
Range	30mA
Output Range	0.000 to 30.000mA
Resolution	0.001mA
Accuracy	±0.05% rdg. +4µA
General Specifications	
Display	6-Digit LCD
Backlit Display	Yes
Kick Stand	Yes
Magnetic Hanger Compatible	Yes (R5900 sold separately)
Built-In Flashlight	Yes
Zero Adjustment Button	Yes
Power Supply	3 AA Batteries
Battery Life	Approx. 20 hours
Cold Junction Compensation	Yes
Auto shut off	Yes (up to 60 minutes/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	7.5 x 3.5 x 2.1" (191 x 90 x 53mm)
Weight	17.6oz (500g)

TECHNICAL DATA

Applications

- Testing and calibrating meters, data loggers and process controllers
- Simulating sensor outputs for troubleshooting and diagnostics
- Configuring and verifying industrial control systems
- Providing precise voltage/current signals for automation testing
- Validating performance of power supplies and electrical circuits
- Ensuring accuracy in instrumentation used in HVAC, energy and utilities
- Conducting educational and training demonstrations in electronics and electrical engineering

Model	Description
R5805	Voltage/Current Simulator
R5805-NIST	Voltage/Current Simulator & NIST
R5900	Magnetic Meter Strap