

Voltage/Current Simulator Model **R5805**



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

10V Range

Output Range -1.000 to 11.000V

Resolution 0.001V

±0.05% rdg. +2mV Accuracy

DC Current

Range 30mA

0.000 to 30.000mA Output Range

Resolution 0.001mA

Accuracy ±0.05% rdg. +4μA

General Specifications

6-Digit LCD Display

Backlit Display Yes Kick Stand Yes

Magnetic Hanger Compatible Yes (R5900 sold separately)

Built-In Flashlight Zero Adjustment Button Yes

3 AA Batteries Power Supply 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 CE **Product Certifications**

Operating Temperature 32 to 122°F (O to 50°C)

Operating Humidity Range O to 85%

Storage Temperature 14 to 122°F (-10 to 50°C)

7.5 x 3.5 x 2.1" **Dimensions**

(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
- 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