

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.

### TECHNICAL DATA

#### 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"<br>(191 x 90 x 53mm) |
| Weight                     | 17.6oz (500g)                         |



#### 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             |