

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" (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 |