



### TECHNICAL DATA

### Specifications

#### AC Voltage

Range: 10 to 600V  
Accuracy:  $\pm(2.0\% \text{ rdg} + 1V)$   
Resolution: 0.1V

#### AC Current

Range: 10 to 200A  
Accuracy:  $\pm(2.0\% \text{ rdg} + 1A)$   
Resolution: 0.1A

#### General Specifications

Channels: Dual channel, TRMS AC Voltage or Current  
Dual LCD  
Display: Yes  
Min/Max: Yes  
Datalogging Capabilities: Yes  
Real-Time Clock and Date Stamp: Yes  
Selectable Sampling Rate: 1 sec to 24 hours  
Max Datapoints: 256,000  
Auto Shut-off: Yes (after 5 mins of inactivity)  
Low Battery Indicator: Yes  
Clamp Jaw Opening: 0.5" (12.7mm)  
Power Supply: 4 AAA Batteries or AC Adapter  
Battery Life: Sampling Time Dependent  
PC Connectivity: USB Cable  
Software: Yes (Included)  
Software OS Compatibility: Windows 7/8/10/11  
Overvoltage Category: CAT. III 600V  
Product Certifications: CE  
Operating Temperature: 0 to 122°F (0 to 50°C)  
Storage Temperature: -4 to 140°F (-20 to 60°C)  
Operating Humidity Range: 10 to 75%  
Dimensions: 4.5 x 2.5 x 1.3" (114 x 63 x 34mm)  
Weight: 8.7oz (248g)

### Features

- Datalog up to 256,000 AC voltage and current measurements
- Dual input measures 2 voltage/current measurements or 1 of each
- LCD simultaneously displays time/date, current readings and Max/Min readings
- User adjustable sample rate from 1 sec to 24 hrs
- High and low alarms
- Download measurements via USB interface and analyze results with included software
- Magnetic back allows instrument and sensors to be secured firmly in a variety of locations
- Low battery indicator and auto shut off
- Includes two AC current clamp sensors, two voltage sensors, four large alligator clips, four basic test probes, USB cable, software, AC adapter and batteries

Model	Description
R5003	TRMS AC Voltage/Current Datalogger
FC-105	Test Probe Set, Banana Style
R1210	Alligator Clip Set, Large
R8888	Hard Carrying Case
R5003-NIST	TRMS AC Voltage/Current Datalogger & NIST