

Fluke VR101S Voltage Event Recorder System

Power tools for power quality.



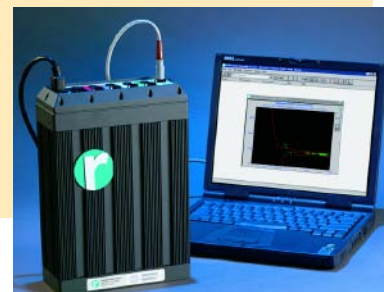
The VR101S is the perfect system for catching sags, swells, transients, outages and frequency variations on line voltage at receptacles.

The VR101S is a starter system that includes a compact VR101 event recorder, an optical interface cable, and EventView® software that turns your PC into a power quality reporting tool. One year warranty.

Reliable three-phase solutions from Fluke

Portable and installed three-phase power quality instruments deliver all the information you need to analyze and monitor power systems and prevent power problems.

Call Reliable Power Meters, a Fluke company, at 800-443-5853 or visit www.reliablemeters.com for more information.



Fluke 41B Power Harmonics Analyzer

- True-rms voltage – 5.0 V to 600 V ac/dc
- True-rms current – 1.00 mV(A) to 1000 mV(A) ac/dc
- Active power, apparent power (VA), reactive power (VAR) and power factor (PF)
- Total harmonic distribution, harmonics to 31st and K-factor
- Memory for 8 complete data sets
- FlukeView® PC software for Windows® and DOS included



True-rms



Specifications - VR101S

Electrical (voltage versions, plug style, and manual languages are determined by country)			
Voltage version	Operating Range	Nominal Frequencies	Power Consumption
120 V Version	70 V to 140 V	50 Hz or 60 Hz	2 W
230 V Version*	140 V to 270 V	50 Hz or 60 Hz	3 W
* Not intended for use on U.S. 240 V power systems			
Sags, Swells and Outage Measurements			
Voltage version	Range	Accuracy	Resolution
120 V Version	Hot-to-neutral	0 to 200 Vrms	± 2 Vrms 1 Vrms
230 V Version	Hot-to-neutral	0 to 400 Vrms	± 4 Vrms 2 Vrms
Transient Measurements, Minimum pulse width: 1 µs			
Hot-to-neutral	100 to 2500 Vpeak	± (10 % reading + 10V)	10 V
Frequency measurements			
45 to 65 Hz	± 0.1 Hz (3 cycles min)	0.1 Hz	
Physical size (HxWxD)	85 mm x 68 mm x 35 mm (3.35 in x 2.65 in x 1.35 in)		
Weight	120 g (4 oz)		
Operating Temperature	-40 °F to 160 °F (-40 °C to 70 °C)		
Relative Humidity	0 to 95 % (non-condensing)		
Safety	CSA listed. CSA-NRTL (to UL 3111) listed. Complies with requirements of EN61010-1:1993. CAT III 300 V.		
Computer hardware requirements			
IBM PC or 100 % compatible, with Windows® 3.1, 98, ME, 2000, NT or XP installed and operating. At least one free RS-232 serial port. A pointing device (recommended). 2 MB hard drive space. 4 MB RAM (8 MB for Windows 95)			

Memory size: 4000 events
 Battery type: 3.5 V Lithium (non-replaceable)
 Battery life: Seven-years

Recommended accessories – 41B Analyzer



C789
See page 44



I200s
See page 40



I1000s
See page 40



I2000flex
See page 40



I3000s
See page 40

Included accessories

VR101S: VR101, Optical interface cable, and EventView Software on CD, VR101: Instruction sheet

Ordering information

Model 41B Power Harmonics Analyzer
 VR101S Voltage Event Recorder System
 VR101 Voltage Event Recorder

Note: At least one VR101S is required for proper operation.