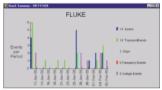
## FLUKE ®

# VR 101S Voltage Event Recorder System





Sjelus				Eyents				
Event #	Slot Time	Event	Entr	ene		End time Duration Day		
- 30	02 Peb-55 5:45:44 AM	H-N Swell		130	Vrmp			
29	02 Fub-58 8:44:16 AM	Outage	0	Vinno				
28	30-Jan-08 12:52:16 PM	H-N Swell		134	Veno	02796-0887		
22	28-Jan-98 11:10:32 AM	Outage	D	Vinne		30-Jan-88 121		
26	27-Jan-90 10 51:39 AM	H-N Swell		133	Vente	26-Jan-80 11:1		
25	27-Jan-90 10:51:30 AM	N-0 Swell	4)	Vena		23		
24	27-Jan-98 10:51:20 AM	H-N Seg	4	Vinne		25"		
23	27-Jan-98 10:51:20 AM	1 N-G Transler®			150 Vp			
22	27-Jan-98 10:51:20 AM	1 HRTrangert	4170 Vp		70 Vp			
21	27-Jan-98 10:51:29 AM	H-N Swell		121	Vento	2		
20	27-Jan-56 10 51:29 AM	H-N Sag	61	Vrns		1		
19	27-Jan-90 10 51:39 AM	H-N Swell		129	Vene	37		
18	27-Jan-90 10:50:08 AM	Outrope	0	Vinne				
	27-Jan-90 10:00:44 AM	H-N Swell		132	Vrmg			
16	27-Jun-98 9.04.40 AM		0	White				
. 24	70 No. 08 0 LEAR AM	H II Tough		134	1,5mm	77. No. 08.00		









#### **Included Accessories**

Optical interface cable VR101S: EventView Software

#### Ordering Information

Fluke VR 101 S Voltage Event Recorder System

Fluke VR101 Voltage Event Recorder (Note: At least one VR101S is required for proper operation.)

## Set up, plug in, download, and analyze

The Fluke VR101S is the perfect system for catching sags, swells, transients, outages and frequency variations on line voltage at receptacles, where the most sensitive loads are connected. 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. Additional VR101 event recorders can be purchased individually, so you can monitor several voltage conditions at multiple locations at once.

To set up a VR101 event recorder, just enter the event capture limit parameters on your PC and load them into the recorder. EventView software and the optical interface cable make it easy. Then plug the

recorder into the outlet you need to test, and leave it-there's no need to leave a computer hooked up.

The compact recorder stores any voltage event that goes outside your limits. The VR101 recorder can store up to as many as 4000 events and a flashing LED tells you when events have been captured. To get data out of the recorder, hook it back up to your computer. EventView software can download a complete history of the events that occurred while the recorder was plugged into the receptacle. The software lets you build a detailed report of sags, swells, transients, outages and frequency variations with time-stamps and durations.

### **Specifications**

(Check the Fluke web for detailed specifications)

Voltage version Operating range			Nominal frequencies		Power consumption				
120V Version 70V to 140V			50 Hz to 60 Hz		2W				
230V Version 140V to 270V			50 Hz to 60 Hz			3W			
Sags, Swells & Outa	age Measurements								
Voltage version		Range		Accuracy		Resolution			
120V Version	Hot-to-neutral	0 to 2	200 Vrms	± 2 Vrms		1 Vrms			
120V Version	Neutral-to-ground	3 to 200 Vrms		± 2 Vrms		1 Vrms			
230V Version	Hot-to-neutral	0 to 400 Vrms		± 4 Vrms		2 Vrms			
230V Version	Neutral-to-ground		150 Vrms	± 2 Vrms		1 Vrms			
Transient Measurer	nents, Minimum pulse wid	dh: 1µ:	s						
<u> </u>	<del>-</del>		je	Accuracy		Resolution			
Hot-to-neutral			o 2500 Vpeak	± (10% reading + 10V)		10V			
Neutral-to-ground			2500 Vpeak	± (10% reading + 10V)		10V			
Phase angle			o 180° to 360°	± 1°	1°				
Time Measurements	s: Events < 1 second								
				Accuracy		Resolution			
Hot-to-neutral				± 0.5 cycles		0.5 cycles			
Neutral-to-ground				± 1 cycle		1 cycle			
<b>Frequency Measure</b>	ment:								
		<b>Rang</b> 456				Resolution 0.1 Hz			
Events $\geq$ 1 second (	time stamp)								
				Accuracy		Resolution			
				± (2 sec/day +	8 sec)	8 sec			
Environmental									
Operating temperature			-40 to 70° C						
Relative humidity		0 to 95% (non-condensing)							
Computer Hardware	Requirements								

IBM PC or 100% compatible, with Windows 3.1 or Windows 95/98/NT/XP or 2000 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 95/98 or higher).

Memory size: 4000 events

Battery type: 3.5 Lithium (non-replaceable)

Battery life: 7 years

Size (HxWxD): 62 mm x 68 mm x 85 mm

Weight: 0.12 kg One Year Warranty