

Fluke Power Logger



▲ 1735

Includes soft carrying case, 4 flexible current probes (15/150/3000A), voltage leads & clips, RS-232 PC interface cable, Power Log software, AC adapter, manual

ORDERING INFORMATION

Fluke 1735 Power Logger

Accessories

FL/MBX 1A/5A Clamp for secondary CT applications
 FL/MBX 5A/50A Clamp for general applications
 FL/C534 Water-tight hard carry case with rollers

- Monitor demand at 15 minute or user-defined averaging periods
- Verify efficiency improvements with energy consumption tests
- Measure harmonic distortion caused by electronic loads
- Capture voltage dips and swells from load switching
- Easily confirm instrument setup with color display of waveforms and trends
- Measure all three phases and neutral with included 4 flexible current probes
- View graphs and generate reports with included Power Log software
- Compact, rugged design with IP65 case, 600 V CAT III and 2-year warranty

The Fluke 1735 Power Logger is ideal for conducting 30-day load studies according to National Electric Code 220.65. The 1735 also logs most electrical parameters and harmonics as well as capturing voltage events. Sets up in seconds with the included flexible current probes and color display.

SPECIFICATIONS

| | |
|---------------------|---|
| V-rms Wye Ranges | 57/66/110/120/127/220/230/240/260/277/347/380/400/417/480 V ac |
| V-rms Delta Ranges | 100/115/190/208/220/380/400/415/450/480/600/660/690/720/830 V ac |
| Resolution | 0.1 V |
| A-rms Ranges | 15/150/3000 A rms (at sine) with supplied flex clamps |
| Resolution | 0.01 A |
| PF (Power factor) | Range 0-1, Resolution 0.001 |
| Frequency | 46-54 Hz and 56-64 Hz, Resolution 0.01 Hz |
| Power Measurements | P (active), S (apparent), Q (reactive), D (distorting) |
| Energy Measurements | kWh, kVAh, kVARh |
| Display | ¼ VGA Graphic Color, 320x240 pixel, with background lighting |
| Battery Life | Typical >12 hours with backlight low and >6 hours with backlight high |
| Working Temperature | -10 °C to +50 °C (+14 °F to +122 °F) |
| Dimensions | 240 mm x 180 mm x 110 mm (6.1 in x 4.6 in x 2.8 in) |

Yokogawa Portable Data Logger



▲ XL122 CE

SP1 Kit includes mating screw terminal block, US power cord, rechargeable battery, protective rubber boot, carrying case, utility software & manual.

Utility software for Windows XP displays data & waveforms, copies data, converts to CSV, saves settings & files.

Accessories

YE/90060 Type K thermocouple, 48" length with mini-plug
 YE/93037 Carrying case
 YE/94009 Lithium ion battery, 2.4Ah, 7V
 YE/91029 Digital I/O cable, 3m
 YE/91011 RS232 cable to PC (9 pin)
 YE/93039 Stand for tilted desktop, wall or DIN rail mounting
 YE/XL900 Datum-LOGGER PC data analysis software (WinXP)

- 8 or 16 isolated analog input channels
- Supports direct TC, RTD and DCV inputs
- 16MB internal memory + flash card capability
- Wide viewing angle 3.5" color LCD
- Trigger and alarm functions
- 1 pulse and 2 digital logic inputs
- 100msec to 1 hour sample interval
- Ethernet, USB, RS232 & RS485
- Web server, FTP client and email functions

SPECIFICATIONS

| Input | Type | Accuracy | Resolution |
|-----------------------|--|--------------------|------------|
| | DCV: ±100/500mV, ±1/5/10/50V, 1-5V F.S. | ±0.1% F.S. | 10µV |
| | TC: K,E,J,T,L,U,N | ±0.05% F.S. ±1°C | 0.1°C |
| | TC: W,R,S,B | ±0.05% F.S. ±2°C | 1°C |
| | 3-wire RTD: Pt100, Jpt100 | ±0.05% F.S. ±0.5°C | 0.1°C |
| | Pulse: Instantaneous value, integration, revolution | | |
| | Logic: Voltage, contact | | |
| Maximum Input | ±50V | | |
| Measurement Interval | 100/200/500ms, 1/2/5/10/20/30s, 1/2/5/10/20/30/60min (8 ch max for 100ms) | | |
| Data Storage | 16MB internal memory, External storage: Compact flash memory card (Type II), SD card, USB memory (copy function only) | | |
| Functions | Alarm output (4ch), Trigger function (pre-trigger/trigggerdelay), Calculation (inter-channel calculation, linear scaling,statistical operation), Average, Automatic Measurement | | |
| Display Screens | Waveform, digital, bargraph, waveform + digital, alarm summary, log | | |
| Communication | 10Base-T/100-BaseTX Ethernet (SMTP, HTTP, FTP, TCP/IP, SNTP protocols) USB 1.1 (Windows XP) RS-232 @2.4-38.4kbps, RS-485 @2.4-115.2kbps half-duplex (ASCII or Modbus RTU protocols) | | |
| Operating Temperature | 0 to 50°C, 5 to 85%RH (non-condensing) | | |
| Storage Temperature | -20 to 60°C, <90%RH (non-condensing) | | |
| Size | 6.1" x 6.1" x 2.2" (155×155×55mm), without projecting parts or rubber boot | | |
| Weight | 1.8 lbs (800g), without battery or rubber boot | | |
| Safety | EN61010-1: Measurement Category I, Pollution degree 2, Rated transient 350Vp-p | | |

ORDERING INFORMATION

YE/XL121-D/SP1 8 channel Portable Data Station Kit. Plug-in screw terminal block accepts wires
 YE/XL122-D/SP1 16 channel Portable Data Station Kit. Plug-in screw terminal block accepts wires
 YE/XL124-D/SP1 16 channel Portable Data Station Kit. M3 screw terminal block accepts wires or lugs. [no RTD inputs]