

Fluke 1732 and 1734 Three-Phase Electrical Energy Loggers



Fluke 1734



Energy logging is now within your reach — discover where you're wasting energy, optimize your facility's energy use and reduce your bill

The Fluke 1732 and 1734 Three-Phase Electrical Energy Loggers introduce a new simplicity to discovering sources of electrical energy waste. Discover when and where energy in your facility is being consumed—from the service entrance to individual circuits. Access and share data remotely with your team via the Fluke Connect™ app so you can maintain safer working distances and make critical decisions in real-time, reducing the need for protective equipment, site visits and check-ins.

Profiling energy use across your facility helps you identify opportunities for energy savings, and provides you with the data you need to act on them. The new Energy Analyze software package allows you to compare multiple data points over time to build a complete picture of energy use, which is the first step to reduce the cost of your energy bill.

- **Key measurements:** Automatically capture and log voltage, current, power, power factor, energy and associated values
- **Fluke Connect™ compatible:** View data locally on the instrument, via Fluke Connect™ mobile app and desktop software or through your facilities' WiFi infrastructure
- **Convenient instrument powering:** Power instrument directly from the measured circuit
- **Highest safety rating in the industry:** CAT IV 600 V / CAT III 1000 V rated for use at the service entrance and downstream
- **Measure all three-phases:** With included three flexible current probes
- **Fully integrated logging:** Connect other Fluke Connect™ devices to the Fluke 1734 to simultaneously log up to two other measurement parameters, virtually any parameter available on a Fluke Connect™ wireless digital multimeter or module
- **Energy Analyze Plus application software:** Download and analyze every detail of energy consumption with our automated reporting
- One-year warranty

Specifications				
Parameter	Range	Max resolution	Intrinsic accuracy at reference conditions (% of reading + % of full scale)	
Voltage	1000 V	0.1 V	±(0.2% + 0.01%)	
Current	i17xx-flex 1500 12"	150 A	0.1 A	
	1500 A	1 A	±(1% + 0.02%)	
	i17xx-flex 3000 24"	300 A	1 A	±(1% + 0.02%)
	3000 A	10 A	±(1% + 0.03%)	
	i17xx-flex 6000 36"	600 A	1 A	±(1.5% + 0.03%)
i40s-EL clamp	6000 A	10 A	±(1.5% + 0.03%)	
	4 A	1 mA	±(0.7% + 0.02%)	
Frequency	40 A	10 mA	±(0.7% + 0.02%)	
	42.5 Hz to 69 Hz	0.01 Hz	±(0.1%)	
Aux input	±10 V DC	0.1 mV	±(0.2% + 0.02%)	
Voltage min/max	1000 V	0.1 V	±(1% + 0.1%)	
Current min/max	defined by accessory	defined by accessory	±(5% + 0.2%)	
THD on voltage	1000%	0.1%	±0.5	
THD on current	1000%	0.1%	±0.5	
Voltage harmonics 2nd ... 50th	1000 V	0.1 V	≥ 10 V: ±5% of reading < 10 V: ±0.5 V	
Current harmonics 2nd ... 50th	defined by accessory	defined by accessory	≥ 3% of current range: ±5% of reading < 3% of current range: ±0.15% of range	
Unbalance	100%	0.1%	±0.2	

Recommended Accessories



i17XX-FLEX 1500
1500 A 12 inch iFlex™
Current Clamps
(Purchase as individual,
3pk or 4pk)



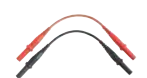
i17XX-FLEX 3000
3000 A 24 inch iFlex™
Current Clamps
(Purchase as individual,
3pk or 4pk)



i17XX-FLEX 6000
6000 A 36 inch iFlex™
Current Clamps
(Purchase as individual,
3pk or 4pk)



i40s-EL/3pk
40 A Clamp-on Current
Transformer 3 pack
(Purchase as individual or 3pk)



FLUKE-17XX-TL 0.1M
Test Lead Set, 1000V
CAT III, Non-stackable
Connectors; 0.1 m; Red/Blk



FLUKE-17XX-TL 1.5M
Test Lead Set, 1000V
CAT III, Non-stackable
Connectors; 1.5 m; Red/Blk



1730-Hanger
Hanging Strap Kit



MPI-Magnet Probe 1
Magnet Probes for
4mm banana, Set of 4



1732/UPGRADE
Upgrade Kit for
1732 to 1734



C17XX
Soft case

Included Accessories

Power Supply, Voltage Test Leads, 4× Alligator Clips, 3× 12 inch 1,500A Flexible Current Probe, Soft Case, Energy Analyze Plus Software, Line Cords, Colour Coding Set and Documentation on USB Flash Drive, Magnetic Hanging Strap (1734) and Magnetic Voltage Probes (1734).

Ordering Information

FLUKE 1732/B Energy Logger, Basic Version (excl. current probes)

FLUKE 1732/EUS Energy Logger (incl. current probes)

FLUKE 1734/B Energy Logger, Basic Version with Fluke Connect™ (excl. current probes)

FLUKE 1734/EUS Energy Logger (incl. current probes)

Contact your local distributor for price and availability.
fluke.com/wtb