

Product Specifications

PROVEN DATA LOGGING SOLUTIONS

ez30

Four-Channel AC Current and Temperature Data Logger

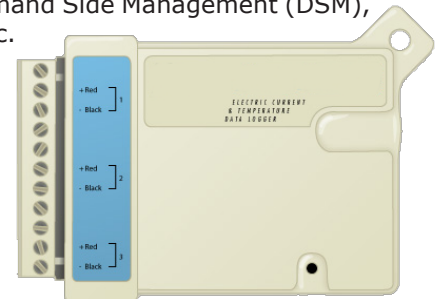
The ez30 makes easy, accurate recordings of AC current. You can use this logger with up to three external current probes for recording three-phase systems or related equipment simultaneously. The easy-to-use Amprobe CTs provide safe current readings by simply clamping around the power leads.

APPLICATIONS

Monitoring single or 3-phase current, startup or long term load analysis, Demand Side Management (DSM), monitoring mechanical systems, electric motor maintenance scheduling, etc.

GENERAL SPECIFICATIONS

Size:	107mm x 74mm x 22mm
Weight:	110 g
Case Material:	Noryl® Plastic
Battery:	3.6 volt Lithium, 1 Amp-Hour
Resolution:	8-bit (1 part in 256)
Mounting:	Magnetic backing or locking eyelet
Clock Accuracy:	± 2 seconds per day
Sampling Methods:	Continuous (First-in First-out), Stop When Full (Fill-then-stop)
Operating Limits:	-40°C to 70°C and 0 to 95% RH (non-condensing)
PC Requirements:	Windows PC with at least one free USB or serial port (depending on interface)
Software Requirements:	Compatible with Windows 2000 SP4, XP SP1 and Vista 32 bit
Memory Size:	32 KB (capable of storing up to 32,767 readings)
Sampling Rates:	User selectable rates from 8 seconds to 5 days in 4-second increments
Number of Channels:	Four (one internal for ambient temperature and three for AC current [Using Amprobe current probes]).



SENSOR SPECIFICATIONS

Internal Temperature Sensor

Type:	NTC Thermistor - 10,000 Ohm @ 25°C
Range:	-40°C to 70°C
Accuracy:	±0.2°C over the range of 0°C to 70°C; 0.4°C @ 25°C; better than 1°C
Resolution:	between -25°C and 70°C; better than 2.0°C between -40°C and -25°C

Current Sensors

Range

50 Hz	5, 25, 100, 250 Amps
50 Hz	10, 50, 250, 500 Amps

Logger Accuracy

±4% of full scale above 10% of range

