

SPECIFICATIONS

MODEL	L111
ELECTRICAL SPECIFICATIONS	
Channels	1
Input connection	Two recessed banana jacks
Current-probe output-current range	0 to 1 A _{AC} (depending on probe)
Resolution	0.1 mA
Accuracy (50/60 Hz)	0 to 10 mA: unspecified 10 to 50 mA: $\pm(0.5\% R + 1 \text{ mA})$ 50 to 1000 mA: $\pm(0.5\% R + 0.5 \text{ mA})$
Sample rate	64 samples/cycle
Storage rate	Programmable from 125 ms to 1 day
Storage modes	Start/Stop, FIFO and Extended Recording Mode (XRM™)
Recording length	15 minutes to 8 weeks, programmable using DataView®
Memory	240,000 measurement (512 kB) The recorded data is stored in non-volatile memory & retained even if the battery is low or removed
Communication	USB 2.0 optically isolated
Power source	2 x 1.5 V AA-cell alkaline batteries
Battery life	100 hours to > 45 days (depending on storage rate/recording length)
MECHANICAL SPECIFICATIONS	
Dimensions	132 x 70 x 32 mm (5.18 x 2.75 x 1.28")
Max conductor size	Depends on current probe
Weight (with battery)	188 g (6.64 oz)
Safety rating	IEC 61010, 50 V CAT III
Casing	UL94-V0
Vibration	IEC 60068-2-6 (1.5 mm, 10 to 55 Hz)
Shock	IEC 60068-2-27 (30 G)
Drop	IEC 60068-2-32 (1 m)
ENVIRONMENTAL SPECIFICATIONS	
Operating temperature	-10 to +50 °C (14 to 122 °F)
Storage temperature	-20 to +60 °C (-4 to +140 °F)

APPLICATIONS

- ▶ Load profiling
- ▶ Fault current detection
- ▶ Intermittent problem detection
- ▶ Demand recording
- ▶ Neutral current monitoring
- ▶ Harmonic current monitoring using DataView® software
- ▶ Metering CT resizing
- ▶ Start/Stop time-stamping