

# XL421

Rel. 1.03 of 18/10/07

## Single phase TRMS Current Data Logger

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## 1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated at 23 °C ± 5 °C as ±(%readings + number of digits), <60%HR

### CURRENT

Range	Resolution	Accuracy
2 ÷ 2500A	1A	±(2.0%rdg + 2dgt)

- Additional error due to not centering cable: 2%rdg
- Working frequency (Hz): 50±6%, 60±6%
- Type of measure: TRMS
- Bandwidth: 3200Hz
- Max crest factor: 3

## 2. GENERAL SPECIFICATIONS

### Sampling rate:

- 64 point in 20ms for each sampling period.

### Sampling period:

- 1s, 6s, 30s, 1min, 5min

### Memory capacity:

- 1Mbyte
- Autonomy in days (depending on batteries autonomy): 5(1s) ; 34(6s) ; 170(30s) ; 364(1min); 1820(5min)

### PC interface:

- RS-232

### Operating Temperature / Humidity:

- -20 °C to 60 °C ; 0 - 100%RH (RS-232 connector closed)

### Storage Temperature / Humidity:

- -20 °C to 60 °C ; 0 - 100%RH (RS-232 connector closed)

### General information:

- Insulation: class 2 (double insulation).
- Altitude max: 2000m
- Protection degree: IP65 (RS-232 connector closed)

### Power supply:

- 2x1.5V alkaline battery type LR6-AA-AM3-MN1500
- Battery autonomy: >6months

### Dimension:

- 120 (L) x 80(La) x 43(H) mm
- Maximum diameter conductor: 174mm

### Weight:

- about 500g (with internal batteries).

### Reference Standards:

- LVD: IEC / EN 61010-1 CAT III 1000V (to ground) CAT IV 600V (to ground)
- EMC: IEC / EN61326 (1997)+ A1 (1998) +A2 (2001)

**This instrument complies with the requirements of the European Low Voltage Directives 2006/23/EEC (LVD) and EMC 2005/108/EEC**