

XL423

Rel. 1.02 of 18/10/07

Single phase TRMS Voltage Data Logger

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1. ELECTRICAL SPECIFICATIONS

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

VOLTAGE

Range	Resolution	Accuracy
0 ÷ 600V	0.1V	±(1.0%rdg + 2dgt)

Note: meter consider null readings <2V

- 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
- Length test leads: 2.6m

Weight:

- about 500g (with internal batteries).

Reference Standards:

- LVD: EN 61010-1 CAT III 600V (to ground and between inputs)
- 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