



NESPOLA - putting technology to work

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LOAD LOGGER - Single Channel / Multi-Channel

Load Logger measures AC current (load) and is ideal for monitoring loads on circuits and switchboards to record load profiles that can be used to identify slow changing events such as long duration interruptions, outages and derive estimates of usage patterns.

Load Logger is also useful as a diagnostic tool to assess load sharing and load balancing on single and three phase systems; one device per phase.

Some common monitoring applications include: ac motors and pumps for pool, irrigation, lighting, data centres, air conditioning equipment and switchboards.

HARDWARE



Single channel

Dimensions (W x H x D): 40 x 65 x 115 mm



Multi-channel

Dimensions (W x H x D): 55 x 90 x 115 mm

GENERAL FEATURES

- Versions: single channel or multi-channel (up to 4).
- Accepts a variety of ac current sensors (CT and Rogowski coils).
- Rated load current: 500A as standard. Other load currents available.
- Working voltage: 600V.
- Communications: RS232.
- Rating: IP65.
- Battery operated (9V) and portable.
- Software configurable.
- Programmable sampling down to 1 minute intervals.

ACCESSORIES



RS232 Communications cable



Flexible current sensors:
500A, 1000A (CAT III 600V)
3000A (CAT IV 600V)



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KEY SPECIFICATIONS

PARAMETER

General electrical

Rated load current
Working voltage
Power source / battery life

SPECIFICATION

500A standard, other options available.
600V max.
9V Alkaline battery recommended / up to 6 months

Input channels

Single (SC)
Multi (MC) (up to 4)
System accuracy

AC Current
AC Current (three phases plus neutral or four circuits)
Better than +/- 2% at rated load current.

Communications

Serial

RS232

Output

Visual tools
Data file

Graphical interface
CSV format

Logging

Memory
Logging interval
Resolution of logged data

128KB
1 minute minimum
0.12A at rated load 500A

Physical

Dimensions (H x W x L)
Weight
Material
Rating
Operating temperature

SC: 40 x 65 x 115 mm; MC: 55 x 90 x 115 mm
SC: 242g; MC: 381g (battery included)
Polycarbonate, moulded in light grey
IP65, NEMA4
-20°C to 70°C

SOFTWARE

NUDL (Narrow Universal Data Logger) configuration software included.

CALIBRATION

Each Load Logger is factory calibrated. The calibration values are saved in the initial configuration file.

CURRENT SENSOR OPTIONS



Miniature split-core current transformers:
25A, 50A, 100A, 200A, 400A (CAT II 600V)



Clamp-on current transformers:
100A, 200A, 500A (CAT IV 600V)