

L452 DATA LOGGER

2-CHANNEL DATA LOGGER



Simple and effective

- Current and voltage logger (4-20 mA & 0-10 V)
- Event counter
- Dry contact closure
- Logical level detection



DataView[®]



Measure up



Ideal for your industrial process applications, such as measurement, dosing or environmental monitoring, the **L452** is equipped with 2 independent inputs. It allows you to connect various types of sensors to the input in order to record varied data:

- 4-20 mA modules
- 0-10 V modules

These modules can also be used to record various data such as:

- temperature
- humidity
- air speed

For each of the channels, a real-time measurement is displayed on the LCD screen. The L452 communicates via a USB input and the Bluetooth function for configuration and data transfer onto a PC.

Specially designed for Chauvin Arnoux® Data Loggers, the control panel for the data analysis software is a module fully integrated in the DataView® software, which has already proven its value.

The instrument can also be configured using its front panel, with a very simple user interface. The menus are multilingual. Users can lock the keypad with the PC software.

Alarms can be set on the various measurements. In counter mode, it displays the measurement results in the unit selected (Wh, m.s, etc.).

The measurement campaign, which is programmable, can be launched very simply using the **L452's** keypad.

Its ergonomics makes it even simpler to use: magnetized rear panel, Multifix system, desktop stand. It operates on rechargeable batteries or the mains supply.

	Measurement range	Resolution	Accuracy (% of reading)	Sampling rate
DC current	4 to 20mA	0.01 mA	0.05 mA (0.25 %)	5 S/s
DC voltage	± 100 mV	0.1 mV	± 0.1 mV (± 0.5 %)	5 S/s
	± 1 V	1 mV	± 1 mV (± 0.5 %)	
	± 10 V	10 mV	± 10 mV (± 0.5 %)	
Pulse	n/a	1 ms	n/a	n/a
Digital	n/a	1 ms	1 S (recording for 1 month max.)	n/a
Pulse voltage	3.3 V (with 1,000,000Ω pull-up)			
Battery life	200 ms acquisition, display on: 18 days 200 ms acquisition, display off: 36 days 1 min. acquisition, display off: 270 days			
Power supply	110 to 240 V (50/60Hz) – External: via USB connector – Internal: rechargeable NiMH batteries, 2.4 V (2 x 1.2 V)			
Recording modes	Start/Stop (stop when memory full or when campaign end date is reached)			
Control	Local mode (multi-directional keypad on front panel) – Remote mode (control via PC)			
Recording duration	10 minutes to 1 year, modifiable			
Examples	2 channels at @ 200 ms: 19 days 2 channels @ 1 min: > 1 year (theoretically)			
Acquisition interval	200 ms to 1 hour			
Communication	Bluetooth 2.1, Class 1, USB 2.0			
Dimensions	Thickness: 32.4 mm – Width: 65.5 mm – Length: 125 mm (137.5 mm with screw connector)			
Weight	206 g			
Display	LCD 128 x 64 pixels			
Measurement terminal strip	6 screw terminals			
Temperature	Operation: 0 to 50 °C			
Protection	IP42 (IP20 terminal)			
Electrical protection	IEC 61010-1 Ed. 3 and IEC 61010-2-030 Ed. 1			

State at delivery:

The L452 Data Logger is delivered with:

- User's manual
- µUSB power cable



References and accessories:

L452	P01157201
DataView® software	P01102095
µUSB power cable	P01102148
Wall-mount	P01651024
Multifix mounting adapter	P01102100Z
Screw connector kit (x 5)	P01295489

For information and ordering

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