



FLO-LOGGER FL900

Standard portable NON-WIRELESS Flow Logger.

The Flo-Logger FL900 is a portable, non-wireless flow logger which controls and transmits flow data from the Flo-Dar SR, Flo-Dar LR, Flo-Dar SVS (FL902 only) or Flo-Tote 3 sensors. When used with a portable computer (not supplied), the Flo-Ware software and sensors become a powerful open channel flow meter and data reporting system

TECHNICAL SPECIFICATIONS FLO-LOGGER FL900 & FL902

Supported Sensors

- FLO-DAR SR
- FLO-DAR LR
- FLO-DAR SVS (FL902 only)
- FLO-TOTE 3

Sensor Ports

- FL900: 1 port
- FL902: 2 ports

Digital Interface

- USB for Laptop (Site and Logger configuration and data retrieval).
- RS232

Power supply

- 2 or 4 lantern batteries
- Optional external 8 to 18 Vdc supply for external battery

Ambient conditions

- Protection Rate: IP68
- Temperature: -20 °C to +60 °C

Dimensions (W x D x H)

- 25.4 x 22 x 40 cm

Enclosure

- PC/ABS structural foam

Weight

- 4,5 kg (no batteries)
- 6,3 kg (2 batteries)
- 8,2 kg (4 batteries)

Battery Life at 15 min logging intervals

- 185 days with 4 lantern batteries and FLO-DAR sensor
- 306 days with 4 lantern batteries and FLO-TOTE 3 sensor



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The Flo-Logger FL900 provides users with a reliable solution for open channel portable flow monitoring applications. The logger's time-saving features will drastically decrease site time and increase safety for monitoring crews (only if used with wireless option: FL902). The logger LED provides instant communication verification of correct site set-up and flow meter communication prior to leaving the site.

The robust logger's enclosure is made out of PC/ABS structural foam and allows the Flo-Logger FL900 / FL902 to be completely submerged (IP 68 protection rate).



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Connectors

- Stainless steel connectors

LED Status Indicator

- Green Flashes every 3 seconds during normal operation. Flashes every 15 seconds during sleep mode
- Red Flashes when an attached sensor does not agree with the logger program, when an expected sensor is not found or the sensor is not working properly

Channels logged

- 16

Logging Intervals

- 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30 or 60 minutes

Data Storage

- Event Log: 1.000 events maximum in non-volatile flash memory
- Sample History: 2.000 sample events maximum in non-volatile flash memory
- Datalog: 325.000 data points; 1128 days for 3 channels at 15-minute log intervals

Timebase Accuracy

- $\pm 0,002\%$

Warranty

- 1 year

Set-up / Data Retrieval

- Flo-Ware for Windows software is required for programming the logger, data management, and report generation. It is compatible with desktop/laptop computers utilizing Windows operating system. Minimum resolution needed is 1024x768

Changes without notice
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