



## Data logger PL01-M/P

- Data logger with integrated water level sensor.
- Up to 2 further measured values (e.g. temperature and conductivity).
- Adjustable sampling frequency 1 second up to 30 days.
- Internal real time clock.
- Non-volatile circulating memory.
- Capacity of battery and memory for up to 4,000,000 measurements (128 MBit).
- Useable from 1 inch of well diameter.
- Material of housing and membran:
  - PL01-M 1.4571 stainless steel.
  - PL01-P Housing polyoxymethylene (POM) / membran hastelloy.
- Measuring range: 0 - 1 m water column up to 100 m water column.
- PU cable with kevlar strain relief up to 200 m, pressure balance hose and shield.
- Configuration and readout:
  - PC (RS232, USB).
  - Handheld PC.

**Technical data:**

- Watertight, robust case made of high-grade steel or synthetic material (POM).
- Serial interface (up to 115 kilobaud).
- Up to 3 analogue measuring channels for integrated sensors with 16 bits of resolution.
- Adjustable sampling frequencies up to 1 measurement per second.
- Measuring ranges:
  - Level: 1, 2, 5, 10, 20, ... m water column  
Resolution 16 bit 0,0015 %, Accuracy: 0,05 %, Drift  $\leq$  0,1 % pa.
  - Temperature: 0 - 70 °C  
Resolution 0,01 °C, Accuracy: 0,1 °C
  - Conductivity: 0 - 2 mS/cm, 0 - 20 mS/cm  
Resolution 0.1  $\mu$ S/cm, Accuracy: 0,2% v.E.
  - Other: On request.
- Storage capacity up to 4,000,000 measured values.
- Power supply by internal lithium batteries.
- At 5 minutes measuring cycle 10 years battery life time.
- Version PL01-M (stainless steel):
  - Dimensions: Length 200 mm,  $\varnothing$  21,5 mm
  - Weight: ca. 230 g (without cable)
  - Order number: **D501L010**
- Version PL01-P (polyoxymethylene):
  - Dimensions: Length 210 mm,  $\varnothing$  24,5 mm
  - Weight: ca. 300 g (without cable)
  - Order number: **D502L010**
- Options:
  - GSM expansion for the remote data transmission (e.g. **D501Z501**).
  - Level cap with an integrated measurement indication (e.g. **D501Z409**).
  - Mounting device for water level wells 1", 1,5", 2", 3", ...
  - Integrated temperature sensor (e.g. **D501L020**).
  - Integrated conductivity sensor (e.g. **D501L030**)
  - Integrated sensor for absolut pressure, air pressure compensation by temperature compensated air pressure sensor in the mounting device. (no air dehumidification medium necessary, hermetically closed)
  - Flood protected version (up to 5 m)
  - Optionally polyurethylene coated cable(-PE)