



## PreciLog™ PL-2x-A

### Compact Logger for simple measuring stations

- Data preservation also with empty batteries
- Data polling with intern GSM- Modem with timeframe and GPRS to Server
- 16 treshold values initiate SMS - Alerts
- dependable and secure
- automatic data utilization thanks to consistent data-format ( HydroBase™ )
- Stations checking with DataTerminal™ automated ( control values in data )





An extra small and robust datalogger for automated storage of waterlevel, temperature and other values with analog or digital interface (DeltaFlex, KS-3).

Thanks to stable software base and integrated control-algorithms an extremely high availability of data is guaranteed. The strong build-up and pluggable connections allow a fast and economic installation, as well as a trouble free operation.

The Pressure – and temperature transmitter PTS-4 can be exchanged without changing the parameters in the PreciLog PL-2x-A. The calibrationpoints ( incl. 5-point-linearisation ) are being stored in the PTS-4 and automatically transmitted to the PreciLog™ PL-2x. Usually the data are polled comfortably out of the office by modem (PSTN, ISND, GSM, satellite ) or sent to a Server over GPRS. Alternatively the data can also be polled on site with a PocketPC or Notebook-computer.

#### **Measurements**

All analogous probes (level, temperature etc.) with current- or voltage-output, as well as digital inputs from DelatFlex, can be connected to the PreciLog™ PL-2x. In addition the power supply can be internally measured and - if desired - can be recorded in the memory.

#### **Time exact registration**

The battery buffered quartz- watch with a 100 year calendar makes up the time base of the PreciLog™ PL-2x.

#### **Memory**

Everything is continually being memorized in the circular memory: main data and measurement data. If the memory happens to be full, the oldest data will be eliminated. Taking three measurements ( level, temperature and precipitation) in 10 minute intervals, the internal memory space lasts for about 6 months.

#### **Optimized data recording**

With the optimized data recording the measurement values are only being recorded if they deviate from the last memorized measurement value. The bandwidth on which the deviation is allowed to be, can be easily adjusted.

#### **Limits/alerts**

There are 16 limit values that are freely settable. Each measuring value can be controlled through different limit-values, and they will set off one of 16 alarm channels. The alarm channels are also freely settable by the user ( with the proper authorization-level ).

#### **Parameterization/Calibration**

Parameterization takes place through software on a PC/MAC. The level-offset can also be adjusted through the front-keys and the service switch. A coincidental change is not possible.

#### **Passwords**

To avoid any unauthorized changes of the parameterization, or unauthorized interrogation of data, they are all protected by passwords. For every user (10 maximum) a password and authorization-level can be installed. This process is the same in all our products with data-interface.

#### **Connections**

All connections are equipped with waterproof plugs.

#### **High data-security**

To every measurement value time and date are being memorized; data gaps are immediately recognizable and do not have any far-reaching effects.

#### **Data posting to FTP and AppServer**

Thanks to the integrated GSM/GPRS-Modem, data can be polled with a Modem by Software (HydroBase™ or HydroPro™) or can be sent to a FTP-Server or App-Server.

The polling is preferred with with weaker mobile-signals.

#### **Technical specifications**

##### **Analogue**

- Number of Inputs: 2 + Power-supply
- Option plus two analogue inputs
- Accuracy: 0.05%
- Resolution: 16 bit ( 1uA )
- Measuring range: 0..20mA or 0..1V
- Shunt: approx. 70 Ohm ( electronically )
- Probe-Supply: 15 V during measurements
- Automatic offset correction
- Measuring time: approx. 100msec
- Connection: 8pin round-connector ( gold )

##### **Digital input**

- RS-232
- Number of ports: 1
- 1200...57600 bps

##### **Device**

- Supply: 7.5..30V DC / 0.45W
- Operating temperature: -25°C..+55°C
- Dew waterproof
- RS-232: 1200..57600 bps HW-Handshk.
- Modem(connector) optional
- Display: 2 lines with 16 chars
- Memory: 512 kByte internal
- Memory module: 512 kByte
- Enclosure: Aluminum injection molded, P65
- Size: 105 x 180 x 35 ( W x H x D )

##### **Options**

- Input for MS-2x / KS-3 / InputBox IB-8

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