



Data Logger DL05

The data logger DL-05 is a compact device with special low power consumption technology. Due to the operation of the newest battery technology, the operational life of the data logger for up to 15 year is possible.

- Maximum possible input measurement channels:
 - 4 analogue measurement channels with 14 bit resolution.
 - 4 high resolution, digital counter inputs.
 - 8 digital Alarm and/or status inputs.
 - serial input.
- Sensors (e.g.):
 - Level, Pressure, Temperature.
 - pH-Value, Conductivity, Chemical parameters.
 - Precipitation, Flow status.
- Storage capacity up to 8,000,000 measurement values.
- Serial interface for PC (RS232).
- Powered by lithium battery.
- Up to 15 year battery life.
- Protection class IP65.

Options:

- Protection class up to IP67.
- Integrated pressure measurement sensor, connection via pressure hose.
- External power supply:
 - 12 VDC.
 - 24 VDC.
 - 100 VAC to 240 VAC
- Bluetooth or IrDA-interface for operation with PC, PocketPC or mobile phone.
- Measurement cable.
- Assembly and installation material.

Technical data:

- Waterproof, robust aluminium housing (IP65 to IP67).
- Up to 4 different analogue measurements channels for sensors:
 - Resolution: 0.007 %
 - Accuracy: 0.02 %
- Switched feed-in sensor by the logger (3 Volt \pm 3%, max. 10 mA load).
- Adjustable measuring cycle from 1 second up to 30 days.
- 4 MByte non-volatile data storage for up to approximately 8,000,000 measurements (8/16 MByte on request).
- Operation and readout:
 - Serial interface RS232 from 9600 Bd up to 115 kBd.
 - IrDA up to 115 kBd.
 - Bluetooth up to 115 kBd.
- Battery capacity: 19.0 Ah
- Operating time without battery change:

Measurement channels	operational life by measuring			
	1 Second	5 Seconds	1 Minute	5 Minutes
1 x analogue	3 Months	1 year	3 years	10 years
4 x analogue	2 Months	8 Months	2 years	10 years
4 x counter	3 Months	1 year	3 years	10 years
8 x status	3 Months	1 year	3 years	10 years

- Dimensions: 125 mm x 80 mm x 57 mm (L x W x H)
- Weight: 800 g
- Options:
 - GSM-expansion for remote data transmission.
 - Mounting units for wall mounting.
 - Mounting unit for level borehole
 - Built-in pressure measuring sensor.

• Order number: D505 L2300 p10

