

# DATALOGGER



## Data Logger 550

The precision measuring device datalogger type 550 offers the ideal solution for recording and storing water levels, temperature and conductivity of groundwater.

Areas of application are monitoring wells, reservoirs and surface water such as lakes and rivers.

- Battery power for 10 years or 2 000 000 measurements
- Simple installation in wells from 2"
- Maintenance free
- HT well cap allows use of check measurements with dip meter without logger removal



### Environment friendly energy supply

Two totally enclosed lithium batteries with an extra ordinary long service life of 10 years or 2 000 000 measurements.

(For example a 10 year life if the sampling interval is 3 minutes.)

Battery exchange and disposal are carried out by our service department.

### Technical Data

#### Measuring Range:

Water Level: Ranges available from 10 to 200m  
 Temperature: 0 - 70°C  
 Conductivity: 0 to 200mS

#### Resolution:

Water Level: Standard 1 cm  
 At 10m measurement range 1mm also possible

#### Precision:

Water Level: 0.1% from measurement range ± 0.1°C  
 1% from current measured value

#### Sampling Interval:

Standard: 1 min. to 100 hours  
 Extension Grade: 1 sec. to 100 hours

#### Operating Temperature:

Data Collector Unit: -30°C to +70°C  
 Measurement Probes: 0°C to +70°C

**Storage Temperature:** -30°C to +70°C

### Extension possibilities

- Combined probe for water level, temperature and conductivity
- 10 pre-selectable measuring intervals
- Memory extensions
- Hysteresis to reducing of measured data (event measurement)

### Dimensions:

Datalogger: ø 49 x 190mm  
 With Conductivity: ø 49 x 250mm  
 In both versions if the HT well cap is used, there is access for dip meter check.

Dip meter checks possible without removing logger if the optional HT well cap is used. Operating and reading of data via screened transmission cable and RS 232 interface with Laptop or reading device HT 525.

Individual mounting of datalogger with spacers also in HT well caps of sizes 3", 4", 5" and 6".

Other fastening possibilities are available on request.