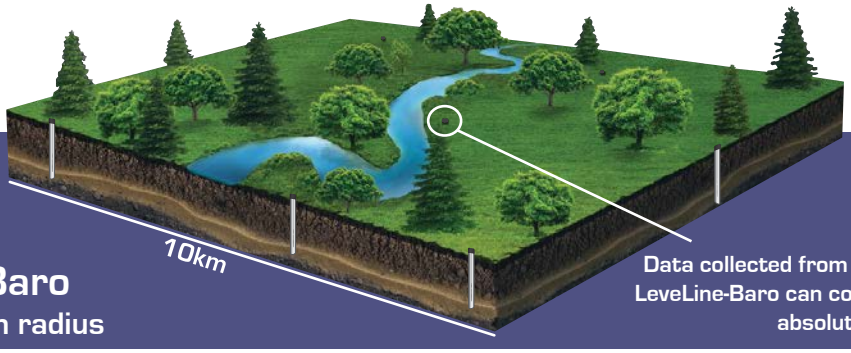

LeveLine
Water Level • Temperature • Conductivity • Salinity
Full range now in titanium
LEVELINE
LEVELINE
LEVELINE
LEVELINE
AQUAREAD
water monitoring instruments
LeveLine® - Community Trade Mark Registration No. 011713823
Leveline-CTD® - Community Trade Mark Registration No. 0161873380

LeveLine-Baro & LeveLink

Barometric compensation can be applied within the LeveLink PC application

LeveLine-Baro

The LeveLine-Baro is used to capture changes in barometric air pressure that can be used to compensate measurements collected from multiple absolute LeveLine loggers to give highly accurate level data.



One LeveLine-Baro
required for a 10km radius

Data collected from a centrally located LeveLine-Baro can compensate multiple absolute LeveLine loggers

LeveLink PC Application

The LeveLink PC application is used to both set up the logging regime and to analyse data post deployment. A LeveLine-PC-KIT is required for connection to your PC.

LeveLink Features

- Set up the logging regime including location ID, logging frequency, start date and duration
- Import and display data from a LeveLine, LeveLine-CTD or GPS LeveLine Meter
- Import and display data from a LeveLine-Baro
- Various compensation options including baro and salinity
- Calibrate the conductivity sensor on the LeveLine-CTD
- Export data as Google Earth file where GPS data is available
- Export data as a spreadsheet for manipulation
- Store and save data sets to your PC

Specifications

		LEVELINE (Abs & Gauge)	LEVELINE - BARO	LEVELINE- MINI
General	Temperature ranges (non freezing)	Operational: -20-80° C (-4-176° F) Storage: -40-80° C (-40-176° F) Compensated: -20-80° C (-4-176° F)	Operational: -20-80° C (-4-176° F) Storage: -40-80° C (-40-176° F) Compensated: -20-80° C (-4-176° F)	Operational: -20-80° C (-4-176° F) Storage: -40-80° C (-40-176° F) Compensated: -20-80° C (-4-176° F)
	Diameter	22mm (0.866 in)	22mm (0.866 in)	22mm (0.866 in)
	Length	186mm (7.32 in)	186mm (7.32 in)	87mm (3.43 in)
	Weight	150g (5.3oz)	160g (5.6oz)	120g (4.2oz)
	Materials	Titanium body, Delrin nose cone	Titanium body, Delrin nose cone	Titanium body, Delrin nose cone
	Output options	Modbus/RS485, SDI-12, Aquaread proprietary	Modbus/RS485, SDI-12, Aquaread proprietary	Modbus/RS485, SDI-12, Aquaread proprietary
	Battery type & life	3.6V lithium; up to 10 years (see note 1)	3.6V lithium; up to 10 years (see note 1)	N/A
	External power	6 - 24 VDC	6 - 24 VDC	6 - 24 VDC
Memory	Size	8.0 MB	2.0 MB	N/A
	Data Records	500,000	150,000	N/A
	Log types	Linear, Event & User-Selectable Schedule with Future Start, Future Stop, Deploy Start and Real Time View	Linear, Event & User-Selectable Schedule with Future Start, Future Stop, Deploy Start and Real Time View	N/A
	Fastest logging rate & Modbus rate	10 per second	1 per minute (logging) 5 per second (Modbus)	10 per second (Modbus Rate)
	Fastest SDI-12 output rate	1 per second	1 per second	1 per second
	Real-time clock	Accurate to 1 second/24-hr period (± 6 minutes/year)	Accurate to 1 second/24-hr period (± 6 minutes/year)	N/A
Pressure Sensor	Type / Material	Piezoresistive; ceramic	Piezoresistive; ceramic	Piezoresistive; ceramic
	Range (Absolute)	10.0m (32.8 ft) 20.0m (65.6 ft) 50.0m (164 ft), 100m (326 ft)	0 to 16.7 psi; 0 to 1.15 bar	10.0m (32.8 ft) 20.0m (65.6 ft) 50.0m (164 ft), 100m (326 ft)
	Range (Gauge)	10.0m (32.8 ft) 20.0m (65.6 ft) 50.0m (164 ft), 100m (326 ft)	N/A	10.0m (32.8 ft) 20.0m (65.6 ft) 50.0m (164 ft), 100m (326 ft)
	Maximum pressure	Max 2x range, Burst 2.5x range	Max 2x range, Burst 2.5x range	Max 2x range, Burst 2.5x range
	Accuracy @ 15° C (see note 2)	±0.05% FS	±0.1% FS	±0.05% FS
	Accuracy (FS) (see note 3)	±0.1% FS	±0.2% FS	±0.1% FS
	Resolution	0.002% FS or 1mm whichever is greater	0.1mb	0.002% FS or 1mm whichever is greater
	Units of measure	Pressure: mbar (psi, kPa, bar, mmHg, inHg, cmH2O, inH2O, Level: in, ft, mm, cm and m available in LeveLink)	Pressure: mbar (psi, kPa, bar, mbar, mmHg, inHg, cmH2O and inH2O available in LeveLink)	Pressure: mbar (psi, kPa, bar, mmHg, inHg, cmH2O, inH2O, Level: in, ft, mm, cm and m available in LeveLink)
Temperature Sensor	Accuracy Resolution	±0.1° C 0.01° C	±0.1° C 0.01° C	±0.1° C 0.01° C
	Output Units	Celsius (fahrenheit available in LeveLink)	Celsius (fahrenheit available in LeveLink)	Celsius (fahrenheit available in LeveLink)

Notes: 1) Dependent on logging rate. 2) Across factory-calibrated pressure range at a constant temperature. 3) Across factory-calibrated pressure and temperature ranges