



AUTOMATIC WATER LEVEL RECORDER SYSTEM

Constant Bubble Type AL-131-BS

ABOUT:

The AL-131-BS is a purpose built automatic water level recording system which combines the worlds best data logging equipment, water level sensing instrumentation and state of the art supporting hardware and software

FEATURES:

- Built for harsh environments with the toughest Stainless Steel enclosure for long life. Design protects against harsh weather with sloping roof to protect from heavy rain and reflects heat away to keep instrumentation cool. Is fully sealed, has louvered vents for airflow and mesh for protection against insects.
- The enclosure door is fitted with a security switch and a waterproof LCD scrolling display enabling real time data to be viewed without the need to access the data logger. The Bubble System is equipped with its own LCD and push buttons for configuration and setting the water level. Because of the high quality fit for purpose components used in the AL-131-BS means installation is quick, operation is user friendly, and will provide years of reliable trouble free service.
- The system requires minimal onsite maintenance with the ability to add additional monitoring instrumentation.
- The system allows for integration with either cloud based or enterprise SCADA systems, using GSM, Radio Telemetry, Satellite, or cable.
- All solutions are configurable according to individual requirements
- Highly accurate and reliable results are guaranteed if installed in accordance with our instructions

APPLICATIONS:

- Dam reservoir water level monitoring
- Catchment water level monitoring
- Many other general water level monitoring purposes

SPECIFICATIONS:

- 316 Stainless Steel IP66 enclosure complete with 30 degrees sloping roof for outdoor de-ployment,.
- HYQUEST Air Bubble System including pressure sensor to 30m range
- Campbell Scientific CR800 or CR310 data logger, program and CD295 font door mounted Dataview for external viewing of water level
- Solar regulator and 20W solar panel and bracket
- Electrical main switch, fuses and terminals earth cable and fittings
- Security Door Switch
- Drawings and Manuals Included
- Telemetry options include: GSM, Satellite, Radio Transmission, RS485 or Fibre Optic cable

Telemetry: AL-131-BS (no Telemetry)

Options:

AL-131-BS-GSM (with GSM Telemetry)

AL-131-BS-RT (with Radio Telemetry)

Power

Max Power Consumption 35A

Solar Panel Size: 12V 20W

Batteries : 2 x 212V 28Ah

Solar Regulator: 12V 5AAC powered version available upon request

Enclosure:

IP66 SS 316 - Two door locks - 2 air vents

Data Logger:

12V DC, <1mA quiescent - Temperature 12V LCD

Display:

Pressure 200m of pressure tubing

Line:

Outlet: Gas Chamber Orifice with fittings

Range: 50m

Dimensions: Packed 66cm x 115cm x 33cm

Weight: 51kg

Provide full details of your rainfall monitoring requirements and we will tailor engineer the most appropriate system for you.