Automatic Water Level Recorder System
Constant Bubble Type AL-131-BS

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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 deployment,.
- 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 Options:	AL-131-BS (no Telemetry) 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 5A AC powered version available upon request
Enclosure:	IP66 SS 316 Two door locks 2 air vents
Data Logger:	12V DC, <1mA quiescent
Temperature Display:	12V LCD
Pressure Line:	200m of pressure tubing
Outlet:	Gas Chamber Orifice with fittings
Range:	50m
Packed Dimensions:	66cm x 115cm x 33cm weight: 51kg