



AUTOMATIC WATER LEVEL RECORDING FLOAT SYSTEM AL-131-FS Series

ABOUT:

The AL-131-FS is a simple method of measuring water level in a stilling well equipped with a float and shaft encoder. The components of this type of gauge include

- A stilling well,
- Inlet pipes from the water,
- Float tape,
- Wheel and shaft encoder which electronically sends signals to the data collection platform (pictured above)

FEATURES:

- Built for harsh environments with the toughest Stainless Steel enclosure for long life.
- Design protects against harsh weather with a sloping roof to protect from heavy rain and reflects heat away to keep instrumentation cool. Is fully sealed, and 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 Shaft Encoder is equipped with its own LCD and push buttons for configuration and setting the water level
- The float system is suited for retrofit to existing systems or for new applications where a floatwell system is economically viable.
- 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

SPECIFICATIONS:

- Stainless Steel fully sealed enclosure complete with 30 degrees sloping roof for outdoor deployment.
- Automatic Water Level Recorder System complete with Shaft Encoder and Float system
- < 25m uses Single Wire System
- > 25m uses Endless Wire System
- Campbell Scientific CR800 data logger, program, and CD295 External 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 AWL-131-BS Standalone
- Options: AWL-131-BS-GSM (with GSM Telemetry)
- AWL-131-BS-RT (with Radio Telemetry)

Power 12V DC, 0.5A maximum

12V 20W

12V 56Ah minimum Use 2 x 12V 28Ah in parallel

Enclosure: P65 SS 316 - Two door locks - 2 air vents

Data Logger: 12V DC, <1mA quiescent

Display: 12V LCD

Pressure: 200m of pressure tubing

Line: Outlet: Gas Chamber Orifice with fittings

Packed Dimensions:

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