



Automatic Water Level Recording Float System AL-131 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 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 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 Options: AWL-131-BS Standalone
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 Line: 200m of pressure tubing

Outlet: Gas Chamber Orifice with fittings

Packed Dimensions: