



Radar Sensors
VEGAPULS WL
S61

AUTOMATIC WATER LEVEL RECORDING RADAR SENSOR SYSTEM AL-131-RS Series

ABOUT:

The AL-131-RS is a purpose built automatic water level recording system which combines the worlds best data logging equipment, with the worlds best Radar Sensors.

Multiple sensors can attach to the data logger provide accurate readings from specific locations that are unsuitable for cabinet

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.
- Setting the water level is undertaken using a notebook device
- The radar-based system is ideal for V-Notch weir monitoring providing repeatable and accurate measurements. Other applications include locations where a suitable mount for a radar sensor is available or can be constructed.
- 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
- V-Notch water level and seepage monitoring

SPECIFICATIONS:

- Stainless Steel fully sealed enclosure complete with 30 degrees sloping roof for outdoor deployment.
- Radar Sensor- the VEGAPULS WL S 61r
- V-notch Structure
- 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-RS no Telemetry AWL-131-RS-GSM (with GSM Telemetry)
AWL-131-RS-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: Enclosure 1 - IP66 S Sloping Roof
Two door locks
2 air vents

Data Logger: 12V DC, <1mA quiescent

Temperature Display 12V LCD

Pressure Line: 200m of pressure tubing

Range: 50M

Packed Dimensions: 44cm x 90cm x 27cm size
21kg weight

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