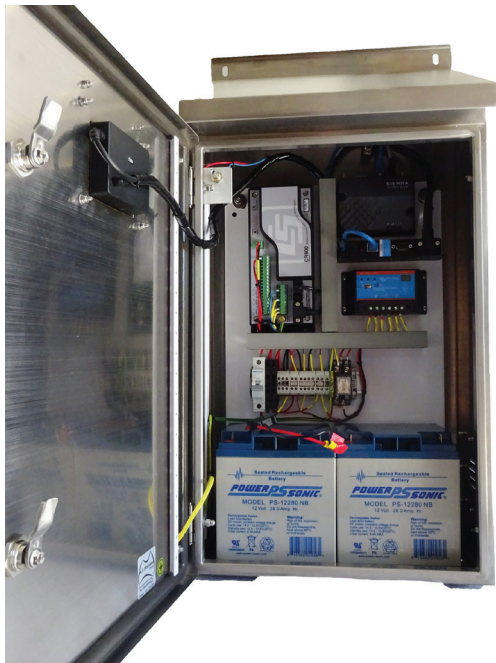




www.emalte.com

## Automatic Water Level Recording Radar Sensor System AL-131-RS Series



Radar Sensors  
VEGAPLUS  
WL S61

### 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 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.
- 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

<b>Telemetry</b>	AWL-131-RS no Telemetry
<b>Options:</b>	AWL-131-RS-GSM (with GSM Telemetry) AWL-131-RS-RT (with Radio Telemetry)
<b>Power</b>	Max Power Consumption 35A Solar Panel Size: 12V 20W Batteries : 2 x 212V 28Ah Solar Regulator: 12V 5A AC powered version available upon request
<b>Enclosure:</b>	Enclosure 1 - IP66 S Sloping Roof Two door locks 2 air vents
<b>Data Logger:</b>	12V DC, <1mA quiescent
<b>Temperature Display:</b>	12V LCD
<b>Pressure Line:</b>	200m of pressure tubing
<b>Range:</b>	50M
<b>Packed Dimensions:</b>	44cm x 90cm x 27cm size 21kg weight