



RangeVue 15

SDI-12, Radar Water-Level Sensor



Non-Contact Water-Level Monitoring

Distance up to 15 meters

Overview

The RangeVue™15 is a non-contact, radar water-level sensor used for monitoring the water level of rivers, lakes, and reservoirs. Using 80 GHz radar technology, it directly measures the distance between the sensor face and the water surface. This distance can be used to determine water level or

stage. The sensor is ideal for areas where submersible sensors can be damaged due to corrosion, contamination, flood-related debris, or lightning.

Benefits and Features

- › Non-contact water-level measurement
- › Meets United States Geological Survey (USGS) Office of Surface Water (OSW) requirements for accuracy
- › SDI-12 version 1.4 functionality
- › Configurable over SDI-12
- › Bluetooth-configurable over smartphone, tablet, or PC

Specifications

| | |
|-------------------------|--------------------|
| Measurement Description | Time |
| Output Options | SDI-12 |
| Measurement Range | 15 m (49.2 ft) |
| Accuracy | ±2 mm (±0.0065 ft) |
| Resolution | 1 mm (0.0033 ft) |
| Radar Frequency | W-band (80 GHz) |
| Beam Angle | 8° |
| Input Voltage | 8 to 30 Vdc |

| | |
|-----------------------------|-------------------------------------|
| Current Drain | 10 mA (at 12 Vdc) |
| Operating Temperature Range | -40° to +80°C |
| Mechanical Rating | IP66/68 IEC 60529, Type 4X/6P UL 50 |
| Material | PVDF, FKM |
| Cable Termination | 4-Pin A-Coded M12 Connector |
| Threads | 1 NPT, 1.5 NPT |

For comprehensive details, visit: www.campbellsci.ca/rangevue15 

