Campbell SCIENTIFIC

RangeVue 30

SDI-12, Radar Water-Level Sensor

Non-Contact Water-Level Monitoring

Distance up to 30 meters

Overview

As a non-contact, radar water-level sensor, you can use the RangeVue™30 to monitor the water level of rivers, lakes, and reservoirs. With 80 GHz radar technology, the RangeVue 30 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	Distance
Output Options	SDI-12
Measurement Range	30 m (98.4 ft)
Accuracy	±2 mm (±0.0065 ft)
Resolution	1 mm (0.0033 ft)
Radar Frequency	W-band (80 GHz)
Beam Angle	4°
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

For comprehensive details, visit: www.campbellsci.com/rangevue30

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