



## OTT RLS - Radar Level Sensor

**Product #:** 6310900192S

**USD Price:** Contact Hach

The OTT RLS is a non-contact radar level sensor with pulse radar technology. The OTT RLS offers a large measurement range with a small blanking distance and narrow beam width and it easily connects to most dataloggers. The RLS has extremely low power consumption and is ideal for remote or solar powered sites.

### High performance

Measurements are unaffected by air temperature, humidity, flood events, floating debris, or contaminated water; reduces the likelihood of missing data and reduces data post processing

### Low profile design

Unobtrusive appearance is ideal for urban installation sites or sites prone to vandalism.

### Low maintenance

Flat antenna design eliminates nesting areas for insects and periodic maintenance requirement.

### Flexible integration/Easy setup

Connects to most data loggers via standard communication interfaces, SDI-12 or 4-20 mA; no need for additional PC software.

### Simple installation

Light weight compact design facilitates easy mounting on bridges, extension mounting bracket or inside a small protective housing.

---

## Specifications

Housing Material:	ASA (UV-stabilized ABS)
Interface:	SDI-12, RS-485 (using SDI-12), or 4 -20 mA
Level Accuracy:	SDI-12:  1.3 - 6.6 ft: $\pm 0.03$ ft (0.4 - 2 m: $\pm 1$ 0 mm)  6.6 - 98.5 ft: $\pm 0.01$ ft (2 - 30 m: $\pm 3$ mm)  98.5 - 115 ft: $\pm 0.03$ ft (30 - 35 m: $\pm 1$ 0 mm)  4 - 20 mA:  $\pm 0.1$ % full scale
Measurement Time:	2 - 20 sec
Measuring Range:	1.3 - 115 ft (0.4 - 35 m)
Operating Frequency:	25.3 GHz

Operating Temperature Range:	-40 - +140 °F (-40 - +60 °C)
Power Consumption:	Active:  # 180 mW (# 15 mA at 12 V)  Resting:  # 0.6 mW (# 0.05 mA at 12 V)
Power Supply:	5.4 - 28 V DC, typ. 12/24 V DC
Protection Class:	IP 67
Resolution:	0.01 ft; 0.001 psi (1 mm; 0.1 mbar)
Standard storage temperature:	-40 - +185 °F (-40 - +85 °C)
Transmission power:	< 5 mW
Width of Beam:	12 ° (±6 °)