



HydroTerra

Environmental Monitoring Specialists

Radar Water Level Sensor

Model - R800W

This radar sensor is an electronic device that uses electromagnetic waves to detect targets. Especially suitable for water and wastewater sector level measurement. Uniquely the sensor uses Bluetooth to debug, operate and maintain, and can display the signal curve on every Bluetooth-enabled smart phone or tablet (iOS, Android). With an integrated design and high-performance chip, the gauge can be installed and used in confined spaces.

Key Features

- Simple installation and maintenance, convenient debugging
- Ultra-low power consumption
- RS485 and 4-20mA
- Continuous on-line acquisition
- Wireless transmission (Bluetooth)
- Small beam Angle, stronger anti-interference ability



Technical Specifications

Product Type

FMCW Radar Level Transmitter

Frequency

77GHz-81GHz

Measurement Range

Liquid: 10M or 20M or 30M

Accuracy

±2mm

Beam Angle

±3.5°

Materials

Housing

Polypropylene

Cable (1m standard)

Thermoplastic Polyolefins (TPOs)

IP Rating

IP67

Process Temperature

-20°C to 70°C

Signal Output

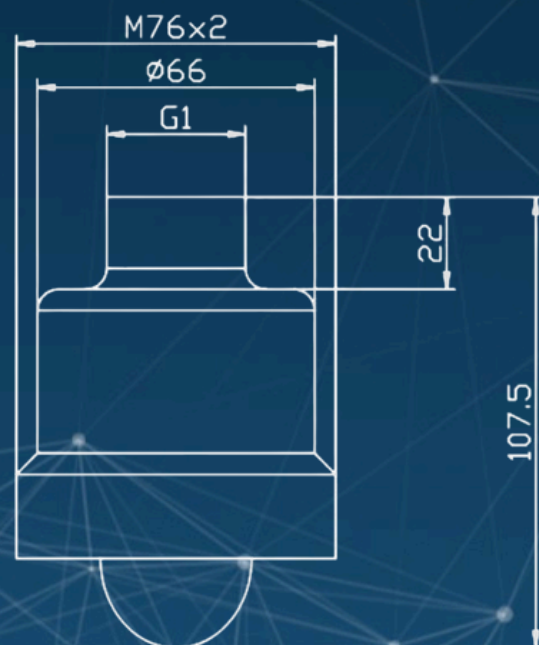
4-20mA / RS485/ Bluetooth

Features

- High frequency 80GHz, More Focus.
 - Accuracy ±2 mm(liquid)
 - Measuring range up to 30m
 - Small emitting angle ±3.5°.
 - Thread connection, customized flange.
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Dimensions

76mm*120mm, weight 200g



Power

Two-wire DC 24V (22V~30V) or

Four-wire DC (8V-36V)

