

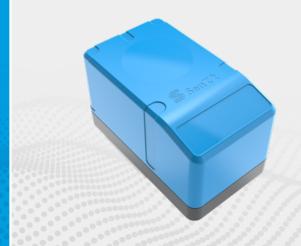
# WLR05-2G | WIRELESS LEVEL RADAR | 5M RANGE

## WIRELESS RADAR SERIES

The wireless radar sensors from the WLR series enable the installation of a complete radar system in a minute.

Without the use of any power source or local network (LAN), these radar sensors work everywhere you want. At your customers' site or in remote areas, you are always assured of reliable level measurements!

Delivered with integrated global eSIM and connected to Staal's sensor cloud platform www.staalportal.com.



### **PRODUCT SPECIFICATIONS**

# Product Features

Sensor type
Applications
Power
Connectivity
Calibration
Setup & Settings

### WLR05-2G/001

FMCW radar water, liquids and solids integrated battery, battery life-time 5 years\* wireless, global coverage, 2-way (2G/GPRS) automatic, before every measurement remotely, over the air (OTA)

#### **Environment**

Ambient Temperature Protection Rating

-40°C . . . +80°C IP 68

### Measurement Technology

Radar Frequency Measurement Range Measurement Accuracy Measurement and Transmission Intervals Radar beam width Integrated Sensors 60 GHz V-band (57GHz - 64GHz)
50 - 5000 mm
2 mm\*\*
adjustable from every 5min to every 24h
8° at -3dB (half power beam width)
GPS, temperature, RH, 3-axis accelerometer

#### **Mechanical Features**

Housing Materials Weight / Dimensions Mounting POM, stainless steel.
500g / I I 5mm x 68mm x 65mm
integrated stainless steel multi-purpose base-plate

\*I transmission and 24 measurements per day

\*\*accuracy for non moving fluids

