

# PLS2-S



Sigfox Operated  
Low Power  
Submersible Level Sensor

## MAIN FEATURES:

- Compatible with all Sigfox standard frequencies
- Wide range of industrial applications
- High accuracy
- Designed to meet outdoor applications
- Long-term durable performance in harsh environment
- Ultra-low power
- Suitable for tank and storage level monitoring of liquids compatible with Stainless Steel

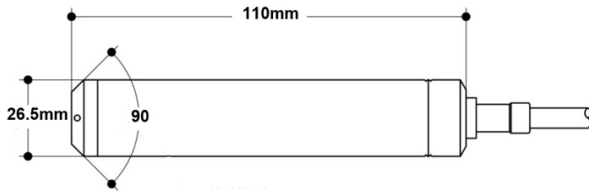


## TECHNICAL SPECIFICATION

|   |  |  |         |
|---|--|--|---------|
| ▮ | Range:   | 2, 5, 10 (or other ranges)   | bar     |
| ▮ | Level Accuracy<br>(combined linearity, hysteresis, repeatability): | ±0.25 (typ.)   | %Span   |
| ▮ | Pressure Reference:  | Vented Gauge   |         |
| ▮ | Power Supply:  | Built-in Battery   |         |
| ▮ | Battery Lifetime   | 20,000+ reading<br>(More than 10 years for most of applications)                   |         |
| ▮ | Sigfox Frequency Zone:   | RC1, RC2, RC4 (RC3 on request)   |         |
| ▮ | Sampling Rate:   | Max 140 Sample   | per day |
| ▮ | Temperature Coefficient of Zero:                                   | ≤±0.03   | %FS/°C  |
| ▮ | Temperature Coefficient of Span:                                   | ≤±0.03   | %FS/°C  |
| ▮ | Long term stability (1 year):                                      | ≤ 0.2  | %Span   |
| ▮ | Pressure Overload  | 150  | %FS     |
| ▮ | Pressure Cycles (Zero to Full Scale):                              | 10+  | Million |
| ▮ | Compensated Temperature:   | 0 ~ +60  | °C      |
| ▮ | Materials:   | O-ring: Viton, Body: SS304, Diaphragm: SS316, Oil: Silicon / Olive, Enclosure: ASA |         |
| ▮ | Process connection:  | No Process Connection (or on request)  |         |
| ▮ | Weight:  | ~1,200 (for 5m range)  | g       |
| ▮ | Protection Rate:   | IP65 /IP67 and UV protected enclosure<br>IP68 for sensor head                      |         |

## DIMENSION (mm)

### Sensing Element Size:



### Enclosure Size:

|   |    |       |
|---|----|-------|
| ▣ | H: | 40mm  |
| ▣ | W: | 110mm |
| ▣ | D: | 150mm |

## INDUSTRIES

- ▣ Water & Environment
- ▣ Agriculture and Farming
- ▣ Mining & Construction
- ▣ Marine
- ▣ Oil & Gas
- ▣ Food & Beverage
- ▣ Transport & Logistics
- ▣ ...

## APPLICATIONS

- ▣ Water Tank Level Monitoring
- ▣ Fuel Tank Level Monitoring
- ▣ Water Recourses Level Monitoring
- ▣ ISO Tank Level Monitoring
- ▣ Waste Water Tank Level Monitoring
- ▣ Oil and Waste Oil Storage Tank Level Monitoring
- ▣ ...

## ORDERING CODE

**PLS2-S - Frequency Zone - Range - (customised options)**

**Note:** Standard product comes with RC4 zone, 5m range and internal antenna