



## Non-Intrusive Level Sensor



### TL400-V

- IP68 Rugged housing
- Digital filter for stirred liquids
- Configuration and update via Bluetooth
- SAE 5 Bolt Hole

The **TL400-V** is an advanced level and volume sensor with a non-intrusive approach, making it well-suited to detect liquids, grains, fluids, and bulk solids in static and moving applications.

Employing a low-power laser beam, the device performs multiple measurements per second, and an advanced algorithm calculates the precise level and converts it to volume and distance in various units.

The device can be easily customized with a configurator app via Bluetooth, allowing users to save customized points and obtain accurate measurements even in irregular tanks.

Due to its superior performance and user-friendliness, this product is an excellent option for a range of mobile and static applications.

**RUGGED HOUSING**

**IP68 RATING**

**ACCURATE UNDER MOVEMENT**

**HIGHLY ACCURATE  
(± 3 MM)**

**BLUETOOTH CONFIGURATION**

**BUILT-IN DIGITAL FILTERS**

### Technical Specifications

<b>Measurement Range</b>	Up to 4 m
<b>Accuracy</b>	± 3 mm
<b>Sampling Rate</b>	1 Hz
<b>Tank Geometry</b>	In addition to the standard formats, it allows to save up to 20 linearization points
<b>Output Signal</b>	0.5 to 4.5 V (other types upon request)
<b>Connector Type</b>	150 mm cable with SuperSeal male connector (other types upon request)
<b>Communication Interface</b>	Bluetooth
<b>Configuration Software</b>	SigNow mobile
<b>Power Supply</b>	8 to 33 Vdc Internal protection against reverse polarity

<b>Consumption</b>	< 70 mA @ 12 V or < 40 mA @ 24 V
<b>Operating Temperature</b>	-20 to 80 °C (-4 to 176 °F)
<b>Dimensions</b>	Ø66 x 31 mm
<b>Housing</b>	Polycarbonate with NBR gasket
<b>Mounting Pattern</b>	SAE 5 Bolt Hole
<b>Protection Rating</b>	IP68
<b>Approvals</b>	CE, Anatel (13883-22-07089), UKCA and LASER CLASS 1
<b>Warranty</b>	3-year