



## Level sensors GWG 23-Ro 400 yellow

**Part no. 46115**

**Level sensor for outdoor tanks**

### benefits

- for fuel oil EL, diesel fuel, biofuel/biodiesel and petrol
- stainless steel sleeve for permanent operation even with biofuel/biodiesel
- yellow fitting with Ex approval (EU type examination certificate, zone 0) and stainless steel sleeve
- variable height adjustment
- materials resistant to biofuel and biodiesel with max. 100 % FAME
- green fuels ready: suitable for use at tank facilities filled with the new paraffinic fuels HVO or GTL
- watertight up to 10 m water column - ideal for use in flood hazard areas

### Application

Part of a control chain for overfill alarm systems. The level sensor helps to prevent overfilling of tanks. For tanks as per EN 12285-1, 12285-2, DIN 6618, 6619, 6623, 6624, 6608, 4119 and tanks as per DIN 6620 and DIN 6625 or equivalent tanks.

Suitable for fuel oil (DIN 51603-1), diesel fuel (EN 590), liquid fuels as per DIN SPEC 51603-6 and DIN/TS 51603-8 as well as biofuel and biodiesel with up to 100 % FAME (EN 14214). Also suitable for use with the new paraffinic fuels HVO and GTL as an admixture or 100% or of petrol under certain conditions. See the operating instructions for additional information.

### Description

PTC thermistor type level sensor consisting of height-adjustable probe and screw fitting. Pressure- and vacuum-tight. Watertight up to 10 m water column.

**GWG 23-Ro** with tube fitting made of **yellow plastic**, highly impact-resistant, deformation-resistant with strong chain and flange gasket. Also suitable for petrol with **GWG level sensor sleeve made of stainless steel**.

**GWG 23-Ro** with tube fitting made of **grey plastic**. Suitable for the following media: fuel oil, diesel fuel, biofuel and biodiesel. **With metallised sleeve**.

When selecting a level sensor, please check to see that the fitting is as close as possible below the access chamber cover – the distance should be no less than 20 mm and no more than 300 mm. See the operating instructions for the adjustment dimension in the tank.

In the case of special lengths, extra shipping charges may apply (bulk goods).

### Technical Specifications

**Probe length**  
400 mm

**Process connection**  
Screw fitting G1

**Operating temperature range**

Medium: -25/+50 °C

Ambient: -25/+60 °C

**Operating pressure in the tank**

without pressure

**approval**

CE marking as per EC Construction Products Regulation 305/2011,  
EU 574/2014, EN 13616:2004

GWG with yellow fitting

Ex II 1G Ex ia IIB T3 Ga

Ex II 1/2G Ex ia IIB T3 Ga/Gb

**Material**

GWG level sensor fitting: Plastic

Probe tube: steel, galvanised

Screw fitting: Brass

PTC thermistor: glass-encapsulated

GWG level sensor fitting yellow

Stainless steel

**Versions**

|               | Fitting | Probe length | min. length | max. length                                                                         | Part no. |
|---------------|---------|--------------|-------------|-------------------------------------------------------------------------------------|----------|
| GWG 23-Ro 400 | yellow  | 400 mm       |             |  | 46115    |

 in-stock items

 Non-stock items