



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

Process connection

Screw fitting G1

Operating temperature range

Medium: -25/+50 °C

Ambient: -25/+60 °C

Operating pressure in the tank
without pressure

Material

GWG level sensor fitting: Plastic
Probe tube: steel, galvanised
Screw fitting: Brass
PTC thermistor: glass-encapsulated
GWG level sensor fitting yellow
Stainless steel

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

Versions

	Fitting	Probe length	min. length	max. length		Part no.
GWG 23-Ro 400	yellow	400 mm			●	46115
GWG 23-Ro 700	yellow	700 mm			●	46116
GWG 23-Ro 1000	yellow	1000 mm			●	46117
level sensor GWG 23-Ro special length	yellow	max. 3000 mm			●	46118

● in-stock items

● Non-stock items