

Level sensors GWG 23-Ro for outdoor tanks



Benefits

- For fuel oil EL, diesel fuel, biofuel/biodiesel and petrol
- Metallised sleeve for permanent operation even with biofuel/biodiesel
- Variable height adjustment
- Materials resistant to biofuel and biodiesel with max. 100 % FAME
- Green fuels ready: suitable for use at tank facilities filed 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.

Versions

	Fitting	Probe length	Part no.
GWG 23-Ro 400	Grey	400 mm	46125
GWG 23-Ro 500	Grey	500 mm	46185
GWG 23-Ro 700	Grey	700 mm	46126
GWG 23-Ro 1000	Grey	1,000 mm	46127
GWG 23-Ro 400	Yellow	400 mm	46115
GWG 23-Ro 700	Yellow	700 mm	46116
GWG 23-Ro 1000	Yellow	1,000 mm	46117
Level sensor GWG 23-Ro special length	Yellow	Max. 3,000 mm	46118

Blue part no. = in-stock items



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.

Technical specifications

Probe length

400 mm
500 mm
700 mm
1,000 mm
Max. 3,000 mm (Special length)

Process connection

Screw fitting G1

Operating temperature range

Medium: -25/+50 °C
Ambient: -25/+60 °C

Operating pressure in the tank

Without pressure

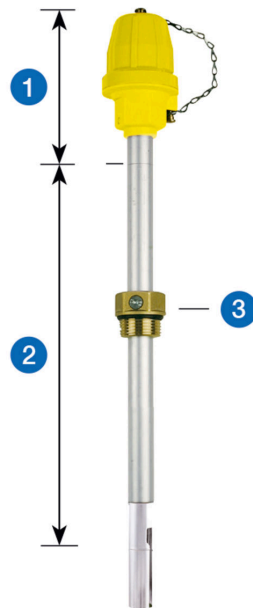
Material

GWG level sensor fit- Plastic
ting:
Probe tube: Steel, galvanised
Screw fitting: Brass
PTC thermistor: Glass-encapsulated
GWG level sensor
sleeve
GWG level sensor fit- Plastic, metallised
ting grey:
GWG level sensor fit- Stainless steel
ting yellow:

Approval

CE marking as per
EC Construction
Products Regulation 305/2011,
EU 574/2014,
EN 13616:2004
GWG with yellow fit- Ex II 1G Ex ia IIB T3 Ga
ting:
GWG with yellow fit- Ex II 1/2G Ex ia IIB T3 Ga/Gb
ting:

Detail views



GWG 23-Ro

1. 125 mm

2. Probe length

3. G1