

## Description

Material – flange PBT; tube - antimagnetic stainless steel

The basic construction component is a plastic flange in which a stainless steel tube is moulded. The measuring system is placed inside the tube. The float with a magnet moves along this tube and operates the magnetic switches. As a result, the output resistance value depends on the fuel level in the tank.

The output signal is provided by means of a two-pole sealed connector moulded in the flange.

The Fuel Sensor is intended for mounting to tanks with a 19/16" thread.

The use of a fuel gauge must be specified in the order.

## Parameters:

Max. voltage	100	V
Max. current	50	mA
Operating temperature	-40°C thru +85°C	°C
Storage temperature	-40°C thru +85°C	°C
Label	producer, producer code, date (or date code), customer identification	
Vibration resistance	3	g
Service life	1 000 000	cycles
Protection degree	IP 68 (inner part)	IP 67 (external part)
Flange thread	19/16 12UN-2A	
Max. tightening torque	10	Nm
Connector	DELPHI 12084669 (designed for 12162197 housing)	



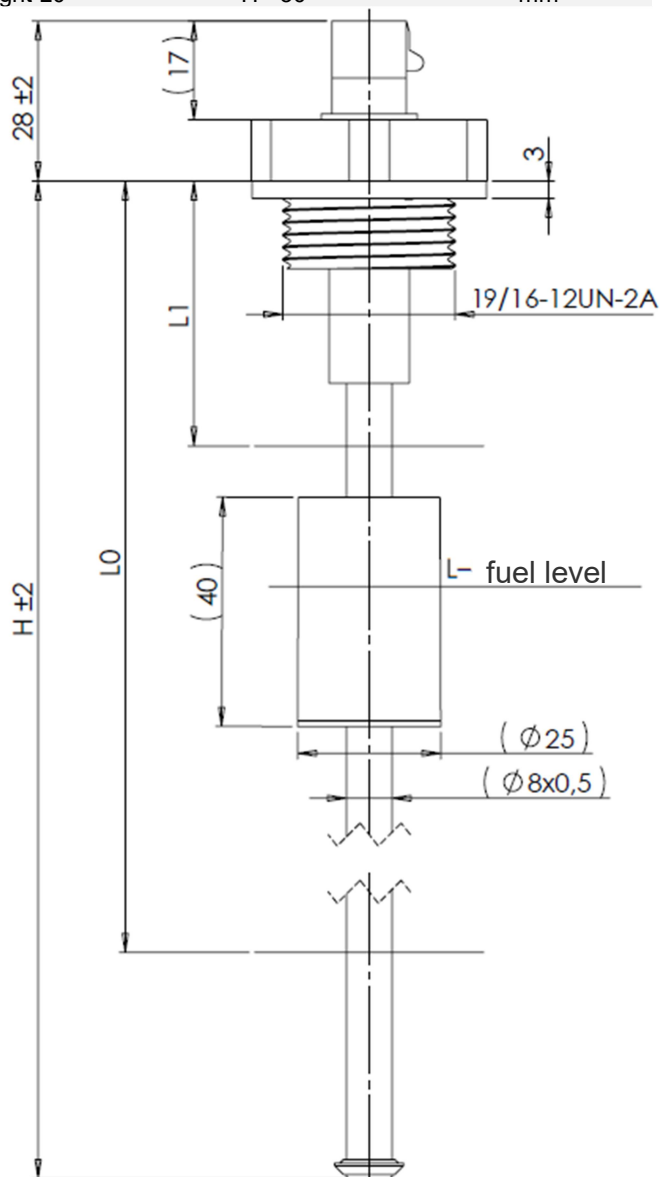
## Overview of manufactured types

Type	height [H]	L1	L0	Number of measuring steps	R max	R min
					[ohm]	
					state 0	state 1
GW 7-2021	280	75	222	10	279	33
GW 7-2023	229	70	174	8	266,3	33
GW 7-2025	313	82	255	11	272	33
GW 7-2041	262	75	222	9	246	33
GW 7-2042	262	75	222	9	270	30
GW 7-2043	211	70	174	7	233,3	33
GW 7-2044	211	70	174	7	241	33
GW 7-2045	295	82	255	10	239	33
GW 7-2046	295	82	255	10	247,1	33
GW 7-2047	313	80	273	11	245	33
GW 7-2048	313	80	273	11	242	22
GW 7-2049	357	79	311	13	251	33
GW 7-2050	438	75	396	17	244,2	20,5
GW 7-2051	438	75	396	17	270	30
GW 7-2052	516	8	476	20	245,1	30
GW 7-2053	238,5	59	187,5	9	297	33

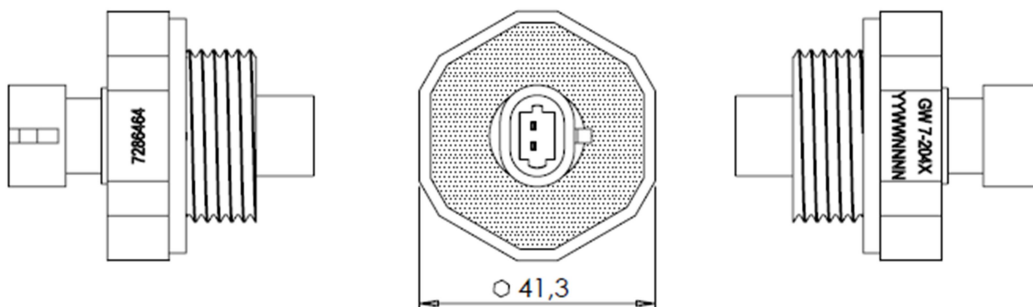
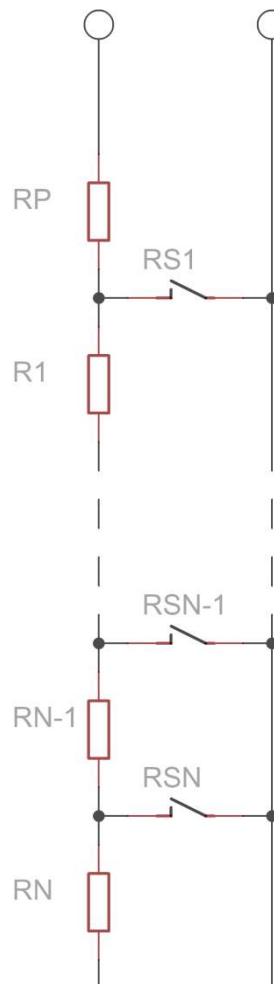
Other types can be prepared according to customer requirements within the limit parameters stated below:

### Limit parameters for specifying new types by the customer

Max. length H	600	mm
Measuring circuit resistance	50 – 100 000	ohm
Minimum measurement step	10	mm
Max. measured height L1	50	mm
Min. measured height L0	H - 30	mm



### Circuit diagram



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