



## SENSORS: Level sensors



### The following level sensors are available

- Lever-type level sensor
- Fuel tube sensors (54 mm and 80 mm)

### Lever-type level sensor

Lever-type level sensors are used in many vehicles and machines to record the current tank contents and to forward the evaluation result to the tank display. A float always moves on the surface of the liquid and, in so doing, changes the resistance value in the tank sensor.

MOTOMETER lever-type level sensors are suitable for Diesel and gasoline fuels and are available in different versions. Operation is possible with an onboard 12 Volt or 24 Volt systems.

The resistance with "Tank Full" is 180 Ohm and with "Tank Empty" 3 Ohm. The version is grounded.

### Compatible with MOTOMETER fuel displays

609 060 xxxx

In addition to the listed standard lever sensors, we can also offer you customised solutions.

Part No.	Diameter hole circle	Length	Feature
608 001 1066	54 mm	150 - 600 mm	adjustable
608 002 1001	54 mm	150 - 600 mm	adjustable, ceramics plate

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## SENSORS: Level sensors

### Fuel tube sensor 54 mm flange

Fuel tube sensors with an 54 mm hole circle are used in vehicles and machines that run on Diesel or gasoline fuel. The fuel sensor is immersed in the medium. A float located inside the fuel tube always moves on the surface of the liquid and changes an internal resistance that provides a quick and reliable display on normal tank display instruments.

MOTOMETER fuel tube sensors are of a robust design and, thanks to the special alloy of the resistance wire and the high-quality metal tube, have a reliable long service life.

Fuel tube sensors with an 54 mm hole circle are suitable for installation in vehicle tanks to a depth of approximately 800 mm. Due to possible surge forces, the fuel tube sensor

with  $\varnothing$  80 mm hole circle should be used where lengths exceed 600 mm. The versions are compatible for a voltage between 6 - 24 Volt.

### Compatible with MOTOMETER fuel displays

609 004 xxxx

609 005 xxxx

In addition to the listed standard immersible tube sensors, we can also offer you customised solutions.

<b>Ø hole circle</b>	<b>Length</b>	<b>Resistance FULL</b>	<b>Resistance EMPTY</b>	<b>Connection</b>	<b>Note</b>	<b>Part No.</b>
54mm	131,5 mm	2,3 +/- 0,4	61,3 +/- 1,4	A 6,3 x 0,8		608 010 1001
54mm	192,0 mm	1,6 +/- 0,7	67,1 +/- 2,1	A 6,3 x 0,8		608 010 1003
54mm	221,5 mm	1,6 +/- 0,4	78,8 +/- 1,6	A 6,3 x 0,8		608 010 1004
54mm	251,0 mm	2,8 +/- 0,7	62,5 +/- 2,1	A 6,3 x 0,8		608 010 1005
54mm	279,5 mm	1,1 +/- 0,4	70,3 +/- 1,6	A 6,3 x 0,8		608 010 1006
54mm	290,0 mm	1,0	64,0	M5	Reed	608 020 0457
54mm	292,5 mm	1,1 +/- 0,6	73,8 +/- 1,6	A 6,3 x 0,8		608 010 1048
54mm	310,5 mm	2,2 +/- 0,4	81,2 +/- 1,8	A 6,3 x 0,8		608 010 1007
54mm	327,5 mm	0,8 +/- 0,7	65,7 +/- 2,1	A 6,3 x 0,8		608 010 1059
54mm	341,5 mm	2,2 +/- 0,5	89,8 +/- 1,8	A 6,3 x 0,8		608 010 1008
54mm	372,5 mm	0,8 +/- 0,4	65,7 +/- 1,4	A 6,3 x 0,8		608 010 1009
54mm	404,5 mm	1,5 +/- 0,7	73,3 +/- 2,3	A 6,3 x 0,8		608 010 1010
54mm	404,5 mm	1,0	73,1	Cable, 400mm	Reed, floating ground	608 020 4045
54mm	433,5 mm	0,8 +/- 0,4	77,3 +/- 1,6	A 6,3 x 0,8		608 010 1011
54mm	463,5 mm	0,8 +/- 0,5	83,0 +/- 1,8	A 6,3 x 0,8		608 010 1012
54mm	498,5 mm	0,5 +/- 0,4	61,4 +/- 1,4	A 6,3 x 0,8		608 010 1013
54mm	525,0 mm	1,5 +/- 0,7	66,0 +/- 2,3	A 6,3 x 0,8		608 010 1032
54mm	525,0 mm	1,6	66,4	M5	Reed	608 020 0456
54mm	535,0 mm	2,0 +/- 0,1	68,0 +/- 6,0	A 6,3 x 0,8		608 010 1031



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Ø hole circle	Length	Resistance FULL	Resistance EMPTY	Connection	Note	Part No.
54mm	590,5 mm	0,6 + 0,7 +/- 0,4	73,3 +/- 1,6	A 6,3 x 0,8	with ground contact	608 010 1049
54mm	602,0 mm	0,8 +/- 0,4	57,4 +/- 1,2	A 6,3 x 0,8	with bottom spring	608 010 1065
54mm	634,5 mm	0,5 + 0,6 +/- 0,4	79,0 +/- 1,6	M4 (+ clip)	with bottom spring	608 010 1069
54mm	785,0 mm	0	77,0	M5	Reed	608 020 0458
54mm	810,0 mm	0,4 +/- 0,4	70,6 +/- 2,3	A 6,3 x 0,8	with bottom spring	608 010 1027

### Fuel tube sensor 80 mm flange

This fuel tube sensors are suitable for installation in vehicle tanks to a depth of approximately 1300 mm.

Due to possible surge forces, this stable fuel tube sensor should be used where lengths exceed 600 mm.

The version is grounded.

### Compatible with MOTOMETER fuel displays

609 004 xxxx

609 005 xxxx

In addition to the listed standard immersible tube sensors, we can also offer you customised solutions.

Ø hole circle	Length	Resistance FULL	Resistance EMPTY	Connection	Note	Part No.
80mm	536,0 mm	0 - 2	67,2 +/- 2,1	B 6,3 x 0,8	Reed	608 020 1014
80mm	596,0 mm	0 - 2	75,0 +/- 2,3	B 6,3 x 0,8	Reed	608 020 1016
80mm	781,0 mm	0 - 2	68,7 +/- 1,4	B 6,3 x 0,8	Reed	608 020 1029
80mm	831,0 mm	0 - 2	82,8 +/- 2,5	A 6,3 x 0,8	Reed	608 020 1021
80mm	881,0 mm	0 - 2	78,0 +/- 2,4	B 6,3 x 0,8		608 010 1022
80mm	881,0 mm	0 - 2	78,0 +/- 2,4	Cable, 100mm	Reed, floating ground	608 020 1056
80mm	916,0 mm	0 - 2	81,2 +/- 2,5	B 6,3 x 0,8		608 010 1023
80mm	996,0 mm	0 - 2	59,0 +/- 1,9	A 6,3 x 0,8	Reed	608 020 1024
80mm	1086,0 mm	0 - 2	64,4 +/- 2,1	A 6,3 x 0,8	Reed	608 020 1025

### Accessories

Description	Dimensions	Part No.
Cork seal	hole circle 54 mm	517 100 0400
Rubber seal	hole circle 54 mm	517 100 8300
Rubber seal	hole circle 80 mm	517 100 0700
Screw flange for tank sensor		521 400 1701
Installation set. tank sensor	54 mm	Screw flange. Rubber seal. screws
Welded flange	hole circle 54 mm	664 010 4083
Welded flange	hole circle 0 mm	664 010 4089

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