



# SENSORS: Level sensors

## MOTOMETER

*powered by solutions*

### 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 mains. The resistance with "Tank Full" is 180 Ohm and with "Tank Empty" 3 Ohm.

The version is "not mass-free".

### Compatible with MOTOMETER tank 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	Special feature
608 001 1066	54 mm	150 – 600 mm	adjustable
608 001 7001	54 mm	universal	adjustable, for water
608 002 1001	54 mm	150 – 600 mm	adjustable, ceramics plate
517 100 0400	Accessories		Cork seal hole circle 54 mm
517 100 8300	Accessories		Rubber seal hole circle 54 mm
521 400 1071	Accessories		Screw flange for tank sensor
664 008 1062	Accessories		Installation set tank sensor 54 mm Screw flange, rubber seal, screws
664 010 4083	Accessories		Welded flange hole circle 54 mm

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### 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.



## SENSORS: Level sensors

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 Ø 80 mm hole circle should be used where lengths exceed 600 mm.

The version is "not mass-free".

### Compatible with MOTOMETER tank displays

609 004 xxxx

609 005 xxxx

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

Diameter hole circle	Length	Resistor FULL	Resistor EMPTY	Connection	Voltage	Note	Part No.
54 mm	131.5 mm	2.3 +/- 0.4	61.3 +/- 1.4	A 6.3 x 0.8	6 – 24 Volt		608 010 1001
54 mm	166.5 mm	2.3 +/- 0.4	81.1 +/- 1.8	A 6.3 x 0.8	6 – 24 Volt		608 010 1002
54 mm	192.0 mm	1.6 +/- 0.7	67.1 +/- 2.1	A 6.3 x 0.8	6 – 24 Volt		608 010 1003
54 mm	221.5 mm	1.6 +/- 0.4	78.8 +/- 1.6	A 6.3 x 0.8	6 – 24 Volt		608 010 1004
54 mm	247.5 mm	2.0 + 2.0/- 1.0	88 +/- 2.0	A 6.3 x 0.8	6 – 24 Volt		608 010 1046
54 mm	251.0 mm	2.8 +/- 0.7	62.5 +/- 2.1	A 6.3 x 0.8	6 – 24 Volt		608 010 1005
54 mm	279.5 mm	1.1 +/- 0.4	70.3 +/- 1.6	A 6.3 x 0.8	6 – 24 Volt		608 010 1006
54 mm	290.0 mm	1.0	64.0	M 5	6 – 24 Volt	Reed contact	608 020 0457
54 mm	590,0 mm	0 / +0,8	180 +/- 0,8	Cable 3,5m	6 – 24 Volt	Reed contact	608 020 0462
54 mm	292.5 mm	1.1 +/- 0.6	73.8 +/- 1.6	A 6.3 x 0.8	6 – 24 Volt		608 010 1048
54 mm	310.5 mm	2.2 +/- 0.4	81.2 +/- 1.8	A 6.3 x 0.8	6 – 24 Volt		608 010 1007
54 mm	341.5 mm	2.2 +/- 0.5	89.8 +/- 1.8	A 6.3 x 0.8	6 – 24 Volt		608 010 1008
54 mm	372.5 mm	0.8 +/- 0.4	65.7 +/- 1.4	A 6.3 x 0.8	6 – 24 Volt		608 010 1009
54 mm	404.5 mm	1.5 +/- 0.7	73.3 +/- 2.3	A 6.3 x 0.8	6 – 24 Volt		608 010 1010

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Diameter hole circle	Length	Resistor FULL	Resistor EMPTY	Connection	Voltage	Note	Part No.
54 mm	404.5 mm	1.0	73.1	Cable 400 mm	6 – 24 Volt		608 020 4045
54 mm	433.5 mm	0.8 +/- 0.4	77.3 +/- 1.6	A 6.3 x 0.8	6 – 24 Volt		608 010 1011
54 mm	450.0 mm	180.0	0	Supply and return, cable 3.5 m	6 – 24 Volt		608 020 0451
54 mm	463.5 mm	0.8 +/- 0.5	83.0 +/- 1.8	A 6.3 x 0.8	6 – 24 Volt		608 010 1012
54 mm	498.5 mm	0.5 +/- 0.4	61.4 +/- 1.4	A 6.3 x 0.8	6 – 24 Volt		608 010 101
54 mm	521.5 mm	0.8 +/- 0.7	94.1 +/- 2.0	A 6.3 x 0.8	6 – 24 Volt		608 010 1047
54 mm	525.0 mm	1.5 +/- 0.7	66.0 +/- 2.3	A 6.3 x 0.8	6 – 24 Volt		608 010 1032
54 mm	525.0 mm	1.6	66.4	M 5	6 – 24 Volt	Reed contact	608 020 0456
54 mm	535.0 mm	2.0 +/- 0.1	88.0 +/- 6.0	A 6.3 x 0.8	6 – 24 Volt		608 010 1031
54 mm	554.5 mm	0.5 +/- 0.4	68.6 +/- 1.4	M 4	6 – 24 Volt		608 010 1070
54 mm	590.5 mm	0.6 + 0.7/- 0.4	73.3 +/- 1.6	A 6.3 x 0.8	6 – 24 Volt		608 010 1049
54 mm	602.0 mm	0.8 +/- 0.4	57.4 +/- 1.2	A 6.3 x 0.8	6 – 24 Volt		608 010 1065
54 mm	634.5 mm	0.5 + 0.6/- 0.4	79.0 +/- 1.6	M 4 (+ clip)	6 – 24 Volt		608 010 1069
54 mm	691.5 mm	0 - 1.1	66.5 +/- 1.4	A 6.3 x 0.8	6 – 24 Volt		608 010 1064
54 mm	780.5 mm	0.8 +/- 0.7	80.5 +/- 2.5	A 6.3 x 0.8	6 – 24 Volt		608 010 1036
54 mm	785.0 mm	0	77.0	M 5	6 – 24 Volt		608 020 0458
54 mm	810.0 mm	0.4 +/- 0.4	70.6 +/- 2.3	A 6.3 x 0.8	6 – 24 Volt		608 010 1027
54 mm	880.5 mm	0.4 + 0.6/- 0.4	71.9 +/- 1.9	M4	6 – 24 Volt		608 010 1035
Accessories		Cork seal hole circle 54 mm					517 100 0400
Accessories		Rubber seal hole circle 54 mm					517 100 8300
Accessories		Screw flange for tank sensor					521 400 1701
Accessories		Installation set. tank sensor 54 mm Screw flange. Rubber seal. screws					664 008 1062
Accessories		Welded flange hole circle 54 mm					664 010 4083

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### 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 "not mass-free".



## SENSORS: Level sensors

### Compatible with MOTOMETER tank displays

609 004 xxxx

609 005 xxxx

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

Diameter hole circle	Length	Resistor FULL	Resistor EMPTY	Connection	Voltage	Part No.
80 mm	536.5 mm	0 – 2	67.2 +/- 2.1	B 6.3 x 0.8	6 – 24 Volt	608 010 1014
80 mm	596.0 mm	0 – 2	75.0 +/- 2.3	B 6.3 x 0.8	6 – 24 Volt	608 010 1016
80 mm	601.0 mm	0 – 2	75.7 +/- 1.6	B 6.3 x 0.8	6 – 24 Volt	608 010 1060
80 mm	616.0 mm	0 – 2	78.3 +/- 1.6	B 6.3 x 0.8	6 – 24 Volt	608 010 1061
80 mm	641.0 mm	0 – 2	81.7 +/- 2.5	B 6.3 x 0.8	6 – 24 Volt	608 010 1017
80 mm	671.0 mm	0 – 2	59.2 +/- 1.3	B 6.3 x 0.8	6 – 24 Volt	608 010 1045
80 mm	686.0 mm	0 – 2	86.7 +/- 2.5	B 6.3 x 0.8	6 – 24 Volt	608 010 1018
80 mm	716.0 mm	0 – 2	69.7 +/- 2.1	B 6.3 x 0.8	6 – 24 Volt	608 010 1019
80 mm	741.0 mm	0 – 2	65.0 +/- 2.1	B 6.3 x 0.8	6 – 24 Volt	608 010 1020
80 mm	781.0 mm	0 – 2	68.7 +/- 1.4	B 6.3 x 0.8	6 – 24 Volt	608 010 1029
80 mm	831.0 mm	0 – 2	82.8 +/- 2.5	B 6.3 x 0.8	6 – 24 Volt	608 010 1021
80 mm	846.0 mm	0 – 2	75.0 +/- 1.6	B 6.3 x 0.8	6 – 24 Volt	608 010 1052
80 mm	881.0 mm	0 – 2	78.0 +/- 2.4	B 6.3 x 0.8	6 – 24 Volt	608 010 1022
80 mm	916.0 mm	0 – 2	81.2 +/- 2.5	B 6.3 x 0.8	6 – 24 Volt	608 010 1023
80 mm	946.0 mm	0 – 2	83.9 +/- 2.5	B 6.3 x 0.8	6 – 24 Volt	608 010 1054
80 mm	996.0 mm	0 – 2	59.0 +/- 1.9	B 6.3 x 0.8	6 – 24 Volt	608 010 1024
80 mm	1045.0 mm	0 – 2	95.5 +/- 2.0	B 6.3 x 0.8	6 – 24 Volt	608 010 1053
80 mm	1086.0 mm	0 – 2	64.4 +/- 2.1	B 6.3 x 0.8	6 – 24 Volt	608 010 1025
Accessories		Rubber seal hole circle 80 mm				517 110 0700
Accessories		Welded flange hole circle 80 mm				664 010 4089

All data subject to technical changes.

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