



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

The version is grounded.

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
608.002.1001	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
521.400.1701	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

MOTOMETER GmbH

Talweg 8 | 75417 Muehlacker-Lomersheim/DE

Phone +49 7041 9695-0 | Fax +49 7041 9695-55 | E-Mail info@motometer.de

www.motometer.de



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 grounded.

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

MOTOMETER GmbH

Talweg 8 | 75417 Muehlacker-Lomersheim/DE

Phone +49 7041 9695-0 | Fax +49 7041 9695-55 | E-Mail info@motometer.de

www.motometer.de



SENSORS: Level sensors

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	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		608.010.1013
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	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	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

MOTOMETER GmbH

Talweg 8 | 75417 Muehlacker-Lomersheim/DE

Phone +49 7041 9695-0 | Fax +49 7041 9695-55 | E-Mail info@motometer.de

www.motometer.de



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.



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	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	608.510.1083
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	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	996.0 mm	0 – 2	59.0 +/- 1.9	B 6.3 x 0.8	6 – 24 Volt	608.010.1024
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.

MOTOMETER GmbH

Talweg 8 | 75417 Muehlacker-Lomersheim/DE

Phone +49 7041 9695-0 | Fax +49 7041 9695-55 | E-Mail info@motometer.de

www.motometer.de