



# SENSORS: Pressure sensor

## MOTOMETER

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### Pressure sensor

Pressure sensors are used in vehicles and machines to record the pressure of oil or air and to forward the measurement result to a pressure display.

MOTOMETER pressure sensors are available in pressure ranges of between 0 bar to 25 bar. The pressure sensor is screwed in; the prevailing pressure changes a mechanically influenced potentiometer integrated in the housing.

Operation is possible with 12 Volt or 24 on-board supply system.

The sensors are available in 1-pin grounded, off-earthed as well as grounded with warning contact.

### Compatible with MOTOMETER pressure displays

644.001 xxxx

644.060 xxxx

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

### 1-pin grounded

Pressure range	Thread	Connection	Part No.
0 – 3 bar	M12 x 1.5	4 mm connection	675.002.1026
0 – 5 bar	M10 x 1 k	Knurled nut M 4	675.002.1001
0 – 5 bar	M14 x 1.5	Knurled nut M 4	675.002.1037
0 – 5 bar	M14 x 1.5	Hexagon nut M 4	675.002.1024
0 – 5 bar	M18 x 1.5	Hexagon nut M 4	675.002.1025
0 – 10 bar	M10 x 1 k	Knurled nut M 4	675.002.1003
0 – 10 bar	M12 x 1.5	Knurled nut M 4	675.002.1004
0 – 10 bar	1/8" - 27 NPTF	Knurled nut M 4	675.002.1012
0 – 25 bar	M14 x 1.5	Flat connector A 6.3 x 0.8	675.002.1018

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## SENSORS: Pressure sensor

### Off-Earth

Pressure range	Thread	Connection	Part No.
0 – 2 bar	M12 x 1.5	Hexagon nut M 4	675.003.1015
0 – 5 bar	M10 x 1 k	Knurled nut M 4	675.003.1016
0 – 5 bar	M12 x 1.5	Knurled nut M 4	675.003.1002
0 – 5 bar	1/4"-18 NPTF	Knurled nut M 4	675.003.1005
0 – 10 bar	M10 x 1 k	Knurled nut M 4	675.003.1008
0 – 10 bar	M12 x 1.5	Knurled nut M 4	675.003.1009
0 – 10 bar	M14 x 1.5	Knurled nut M 4	675.003.1010
0 – 25 bar	M14 x 1.5	Hexagon nut M 4	675.003.1027
0 – 25 bar	1/8"-27 NPTF	Hexagon nut M 4	675.003.1014

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## SENSORS: Pressure sensor

### Pressure sensor with warning contact (grounded)

The pressure sensor with warning contact is screwed in. If the defined pressure is not reached, an electrical contact is closed, which sends out a warning signal.

Operation is possible with 12 Volt or 24 Volt on-board supply system. The pressure range is between 0 bar and 10 bar; the warning contact is between 0.25 bar and 5.2 bar, depending on the version.

### Compatible with MOTOMETER pressure displays

644.001 xxxx

644.060 xxxx

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

Pressure range	Warning contact	Thread	Connection	Part No.
0 – 5 bar	0.25 bar	M10 x 1 k	Knurled nut M 4	675.004.1006
0 – 5 bar	0.4 bar	M14 x 1.5	A 6.3 x 0.8	675.004.1020
0 – 5 bar	0.25 bar	M18 x 1.5	A 6.3 x 0.8	675.004.1025
0 – 5 bar	0.25 bar	M18 x 1.5	Knurled nut M 4	675.004.1051
0 – 5 bar	0.5 bar	M10 x 1 k	Knurled nut M 4	675.004.1005
0 – 5 bar	0.5 bar	M14 x 1.5	Knurled nut M 4	675.004.1022
0 – 5 bar	0.5 bar	M14 x 1.5	A 6.3 x 0.8	675.004.1050
0 – 5 bar	0.5 bar	M18 x 1.5	Knurled nut M 4	675.004.1003

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## SENSORS: Pressure sensor

Pressure range	Warning contact	Thread	Connection	Part No.
0 – 5 bar	0.5 bar	1/8"-27 NPTF	Knurled nut M 4	675.004.1035
0 – 5 bar	0.6 bar	M10 x 1 k	Knurled nut M 4	675.004.1009
0 – 5 bar	0.7 bar	M10 x 1 k	Knurled nut M 4	675.004.1007
0 – 5 bar	0.9 bar	1/8"-27 NPTF	Knurled nut M 4	675.004.1043
0 – 5 bar	1.2 bar	M10 x 1 k	Knurled nut M 4	675.004.1010
0 – 10 bar	0.5 bar	M10 x 1 k	Knurled nut M 4	675.004.1002
0 – 10 bar	0.5 bar	M12 x 1.5	Knurled nut M 4	675.004.1019
0 – 10 bar	0.5 bar	M14 x 1.5	Knurled nut M 4	675.004.1023
0 – 10 bar	0.5 bar	M18 x 1.5	Knurled nut M 4	675.004.1004
0 – 10 bar	0.5 bar	1/8"-27 NPTF	Knurled nut M 4	675.004.1037
0 – 10 bar	0.7 bar	M14 x 1.5	Knurled nut M 4	675.004.1024
0 – 10 bar	0.75 bar	M10 x 1 k	A 6.3 x 0.8	675.004.1011
0 – 10 bar	0.75 bar	M18 x 1.5	Knurled nut M 4	675.004.1028
0 – 10 bar	0.8 bar	1/8"-27 NPTF	Knurled nut M 4	675.004.1038
0 – 10 bar	0.9 bar	M10 x 1 k	Knurled nut M 4	675.004.1012
0 – 10 bar	1.5 bar	M12 x 1.5	Knurled nut M 4	675.004.1018
0 – 10 bar	2.0 bar	M10 x 1 k	Knurled nut M 4	675.004.1013
0 – 10 bar	5.2 bar	M10 x 1 k	Knurled nut M 4	675.004.1001

All data subject to technical changes.

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