



# SENSORS: Pressure sensor

## MOTOMETER

*powered by solutions*

### 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 an onboard 12 Volt or 24 Volt mains.

The sensors are available in 1-pin grounded, mass-free 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

### Mass-free

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 an onboard 12 Volt or 24 Volt mains. The pressure range is between 0 bar and 25 bar; the warning contact is between 0.25 bar and 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	0.5 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	M12 x 1.5	Knurled nut M 4	675 004 1017
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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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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