



DISPLAYS: Pressure gauges

MOTOMETER

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Mechanical pressure gauges

Mechanical pressure gauges are used in vehicles and machines to mechanically measure the oil pressure or air pressure in a pressure system. In a pressure system, MOTOMETER pressure gauges mechanically determine the pressure by means of a measuring unit with a Bourdon spring. The mechanical pressure gauges all have a metal

housing in order to provide the best possible protection and stability and thereby guarantee a long service life. The instruments are illuminated by a flood light type. In the case of the standard types, the dial is black with white numbers and the front ring is of a black triangular design.

A distinction must be made between single pressure gauges and double pressure gauges.

Single pressure gauges

Measuring range	Ø mm	Use	Dial	Pointer	Front ring	Symbol	Connecting thread	Part No.
0 – 6 bar	52	Oil pressure	black	red	black	Oil	M12 x 1,5	633.008.1010
0 – 10 bar	52	Air pressure	black	red	black	without	M12 x 1,5	633.008.1014
0 – 10 bar	60	Oil pressure	black	red	black	without	M12 x 1,5	633.009.1006
0 – 16 bar	60	Air pressure	black	red	black	without	M12 x 1,5	633.009.1020

Double pressure gauges

Measuring range	Ø mm	Use	Dial	Pointer	Front ring	Symbol	Connecting thread	Part No.
0 – 10 bar	60	Air pressure	black	red/white	black	without		634.060.1019
0 – 10 bar	60	Air pressure	black	red/white	black	without	at 5 bar	634.060.1027
0 – 12 bar	60	Air pressure	black	red/white	black	without	at 5 bar	634.060.1028

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Electrical oil pressure displays

Oil pressure displays are used in vehicles and machines in order to show the oil pressure measured by a sensor. MOTOMETER oil pressure displays are equipped with a precise rotation quotient measuring unit that accurately shows the oil pressure as measured by the sensor. The oil pressure displays all have a metal housing in order to provide the best possible protection and stability and thereby guarantee a long service life. The instruments are illuminated by a flood light type.

In the case of the standard types, the dial is black with white numbers and a red pointer. The front ring is of a black triangular design.

Operation with a 12 Volt or 24 Volt on-board system is possible, depending on the type.

The oil pressure displays are available both off-earthed, as well as with different labelling of the dial (e.g. with other symbol imprints or colours) or a chrome front ring.

Resistance characteristic

5 bar:		10 bar:		25 bar:	
0 bar	10 Ohm	0 bar	10 Ohm	0 bar	10 Ohm
3 bar	116 Ohm	6 bar	124 Ohm	15 bar	125 Ohm
5 bar	184 Ohm	10 bar	184 Ohm	25 bar	184 Ohm

Compatible with MOTOMETER pressure sensors of series

675.002 xxxx 675.003 xxxx 675.004 xxxx

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Measuring range	Voltage	ø mm	Use	Symbol	Part No.
0 – 5 bar	12 V	52		Engine oil pressure	644.001.1036
0 – 5 bar	12 V	52	off-earthed	Engine oil pressure	644.001.7006
0 – 5 bar	24 V	52		Engine oil pressure	644.001.1033



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Measuring range	Voltage	ø mm	Use	Symbol	Part No.
0 – 5 bar	24 V	52	Warning LED red	Engine oil pressure	644.001.1041
0 – 5 bar	24 V	52	off-earthed	Engine oil pressure	644.001.7012
0 – 5 bar	12 V	60		Engine oil pressure	644.060.1021
0 – 5 bar	24 V	60		Engine oil pressure	644.060.1025
0 – 5 bar	24 V	60	off-earthed	Engine oil pressure	644.060.1032
0 – 10 bar	12 V	52	off-earthed	Engine oil pressure	644.001.7007
0 – 10 bar	12 V	52		Engine oil pressure	644.001.1037
0 – 10 bar	24 V	52		Engine oil pressure	644.001.1034
0 – 10 bar	24 V	52	Warning LED red	Engine oil pressure	644.001.1042
0 – 10 bar	24 V	52	off-earthed	Engine oil pressure	644.001.7005
0 – 10 bar	12 V	60		Engine oil pressure	644.060.1022
0 – 10 bar	24 V	60		Engine oil pressure	644.060.1026
0 – 10 bar	24 V	60	off-earthed	Engine oil pressure	644.060.1028
0 – 25 bar	24 V	52		Engine oil pressure	644.001.1035
0 – 25 bar	24 V	52	off-earthed	Engine oil pressure	644.001.7013
0 – 25 bar	12 V	60		Engine oil pressure	644.060.1020
0 – 25 bar	24 V	60	off-earthed	Engine oil pressure	644.060.1029

All data subject to technical changes.

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