



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 – 6 bar	60	Oil pressure	black	red	black	without	M12 x 1,5	633 009 1004
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 unearthed, 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	massefrei	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	unearthed	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	unearthed	Engine oil pressure	644 060 1032
0 – 10 bar	12 V	52	unearthed	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	unearthed	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	unearthed	Engine oil pressure	644 060 1028
0 – 25 bar	24 V	52		Engine oil pressure	644 001 1035
0 – 25 bar	24 V	52	unearthed	Engine oil pressure	644 001 7013
0 – 25 bar	12 V	60		Engine oil pressure	644 060 1020
0 – 25 bar	24 V	60		Engine oil pressure	644 060 1027
0 – 25 bar	24 V	60	unearthed	Engine oil pressure	644 060 1029

All data subject to technical changes.

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