

Pressure Control and Monitoring

- Industrial & District Heating Boilers
- Cogeneration & Boiler room installations
- District Heating Area & House Substations
- District Heating Networks

**The reliable Solution:
Pressure Transmitter Type MBS 3000**

MBS 3000 Pressure Transmitter

- Compact and robust design.
- No internal O-rings and all housing and wetted parts in stainless steel (AISI 316L)
- Protected according to EU EMC directive
- Long term stability and reliability

Pressure peaks in heating systems!

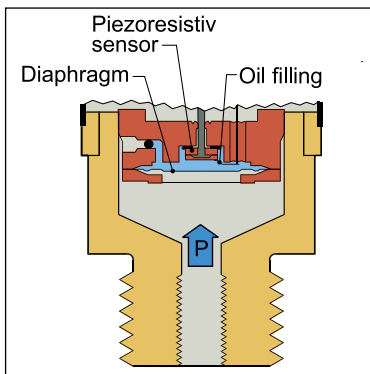
The automatic controls in boiler rooms, network, area and house substations are continuously regulating the temperature and the water flow in accordance with the actual local loads. The result of the regulation processes is transferred through the different parts of the network as pressure and temperature fluctuations.

Pressure fluctuations in large heating systems can have the following negative effect:

- Generate noise in the system.
- Instable temperature and pressure control.
- Failure of components caused by pressure peaks.

The MBS 3000 is using piezo-resistive silicon sensor technology which, unlike other sensor technologies, needs no protection against pressure peaks.

The pressure overload is typically six times the measuring range and the sensor is performing million of cycles.



Main specifications:

- Media: Air, gas & water
- Medium temperature: -40-85 °C
- Enclosure: IP 65
- Electrical connection: Plug DIN 43650 Pg. 9
- Accuracy: +/- 0,5% FS (typ.) - +/- 1% FS (max)
- Output signal: 0-10 V d.c. & 4-20 mA
- Supply voltage: Polarity protected
9-32 V d.c. (4-20 mA)
15-30 V d.c. (0-10 V d.c.)
- Gauge (relative) pressure measuring
- Process connection: G 1/4 A and M 20 x 1.5 - 6 g EN 837



Type	Pressure (bar)		Code No		Connection	Code No		Connection
	Pressure range	Max. operating	Output Signal			Output Signal		
			0-10 V d.c.	4-20 mA		0-10 V d.c.	4-20 mA	
MBS 3000	0-1	2	060G3809	060G1113	G 1/4	060G3825	060G3816	M20x1.5
MBS 3000	0-1.6	8	060G3810	060G1429	G 1/4	060G3826	060G3817	M20x1.5
MBS 3000	0-2.5	8	060G3811	060G1122	G 1/4	060G3827	060G3818	M20x1.5
MBS 3000	0-4	8	060G3812	060G1123	G 1/4	060G3828	060G3819	M20x1.5
MBS 3000	0-6	20	060G3902	060G1124	G 1/4	060G3829	060G3820	M20x1.5
MBS 3000	0-10	20	060G1650	060G1125	G 1/4	060G3830	060G3821	M20x1.5
MBS 3000	0-16	50	060G3813	060G1133	G 1/4	060G3831	060G3822	M20x1.5
MBS 3000	0-25	50	060G3814	060G1430	G 1/4	060G3832	060G3823	M20x1.5
MBS 3000	0-40	100	060G3815	060G1105	G 1/4	060G3833	060G3824	M20x1.5

A comprehensive range of pressure and electrical connections is available for this product
For full details refer to data sheet DKACT.PD.P20.K

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