

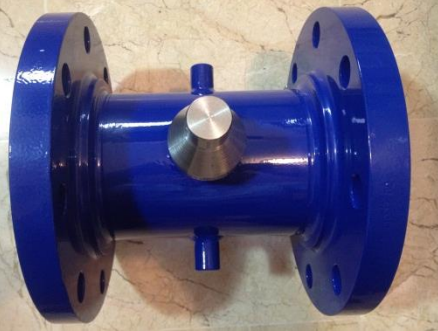
Liquim® Ingeniería

Medidores de flujo Liquim®

Medidores tipo Pitot-Prandtl

Precisión +/-1%

Diámetros entre 2" y 12"





**Medidores de
flujo Liquim®**

Medidores tipo Pitot-Prandtl

- Precisión +/- 1%
- Diámetros entre 2" y 12"
- Fabricados en acero inoxidable AISI/SAE 304
- Conexiones bridadas según normas ANSI
- Fluido: Agua limpia a temperatura ambiente (35°C máx.)
- Flujo mínimo: 8 l/s
- Flujo máximo: 100 l/s
- Presión máxima (cuerpo del medidor): 300 PSI
- Presión máxima transductores de presión: 300 PSI



Danfoss MBS 32 Pressure transmitters for general duty



Danfoss MBS 32 pressure transmitters are designed for use in almost all industrial applications, and offers a reliable pressure measurement, even under harsh environmental conditions.

The flexible pressure transmitter programme covers all standard voltage outputs, absolute and gauge (relative) versions, measuring ranges from 0-1 to 0-600 bar and a wide range of pressure and electrical connections.

Excellent vibration stability, robust construction, and a high degree of EMC/EMI protection equip the pressure transmitter to meet the most stringent industrial requirements.

- 0-5 V, 1-5 V, 1-6 V or 0-10 V output signals

- Operating temperature -40 to 85 °C
- Measuring range 0 - 600 bar
- A wide range of pressure connections available
- For use in severe industrial environments

Product description

Pressure transmitter MBS 32 and MBS 33 are designed for use in almost all industrial applications, and offer a reliable pressure measurement, even under harsh environmental conditions.

Millions of cycles, high overpressure and excellent long term stability.

Thanks to an innovative design the pressure transmitters are accurate and reliable, even in extreme environments with high pressure peaks, vibration and temperature fluctuations.

Laser trimmed electronic circuit in thick film for improved accuracy and low thermal drift.

To ensure a high reproducibility even at different operating temperatures all the pressure transmitters are temperature compensated in the range from 0 to 80°C. Each sensor is individually electronically temperature compensated.

Fully welded sensor: no internal a-rings and all housing and wetted parts in stainless steel (AISI 316L)

When used with aggressive media there is a risk of corrosion of metal parts & attack on O-rings used for sealing. Pressure transmitter types MBS 32 and MBS 33 have fully welded diaphragms and do not therefore require O-ring seals. This hermetic sealing completely removes the risk of leaks. The use of stainless steel for all parts in contact with the media makes the pressure transmitter highly corrosion resistant.

Long term stability and reliability based on the very robust piezo resistive technology.

MBS 32 and MBS 33 use Piezo resistive silicon sensor technology because of its superior measuring performance and high vibration stability. Unlike other sensor technologies, the piezo resistive silicon sensor needs no protection against pressure peaks, in that the pressure overload is typically six times (max. 1500 bar) the measuring range and performs millions of cycles.

Patented sealing against ingress of moisture.

The measuring performance of a pressure transmitter can be influenced by moisture entering the enclosure and degrading the transmitter electronics. Danfoss pressure transmitters are filled with Silicon based sealing material to protect the electronics against moisture.

High robustness against environmental influences.

Excellent vibration stability, robust construction, and a high degree of EMC/EMI protection equip the pressure transmitter to meet the most stringent industrial requirements.

Code number	Type	Press. range, min.	Press. range, max.	Press. unit	Pressure reference	Pressure sensor	Output signal	Electrical connection	Pressure connection	Specification key	Supply voltage	Medium temp. range [°C]	Encl.
060G1222	MBS 32	0	1	bar	Gauge (relative)	REL ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-1015-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1223	MBS 32	0	1,60	bar	Gauge (relative)	REL ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-1215-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1224	MBS 32	0	2,50	bar	Gauge (relative)	REL ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-1415-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1225	MBS 32	0	4	bar	Gauge (relative)	REL ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-1615-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1226	MBS 32	0	6	bar	Gauge (relative)	REL ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-1815-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1228	MBS 32	0	16	bar	Gauge (relative)	REL ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-2215-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1229	MBS 32	0	25	bar	Gauge (relative)	REL ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-2415-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1239	MBS 32	0	40	bar	Gauge (relative)	ABS ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-2615-1AB08	15 - 30 V dc	-40 - 85 °C	IP65

060G1259	MBS 32	0	100	bar	Gauge (relative)	ABS ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-3015-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1260	MBS 32	0	160	bar	Gauge (relative)	ABS ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-3215-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1261	MBS 32	0	250	bar	Gauge (relative)	ABS ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-3415-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1262	MBS 32	0	400	bar	Gauge (relative)	ABS ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-3615-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1263	MBS 32	0	600	bar	Gauge (relative)	ABS ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-3815-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1264	MBS 32	0	1	bar	Absolute	ABS ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-1025-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1267	MBS 32	0	4	bar	Absolute	ABS ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-1625-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1268	MBS 32	0	6	bar	Absolute	ABS ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-1825-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1269	MBS 32	0	10	bar	Absolute	ABS ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-2025-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1270	MBS 32	0	16	bar	Absolute	ABS ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-2225-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1271	MBS 32	0	25	bar	Absolute	ABS ICS	0 - 10 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-2425-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G1286	MBS 32	0	16	bar	Gauge (relative)	REL ICS	1 - 6 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-2214-1AB08	10 - 30 V dc	-40 - 85 °C	IP65
060G1294	MBS 32	0	600	bar	Gauge (relative)	ABS ICS	1 - 6 V	DIN 43650-A, plug Pg 9	G 1/2 EN 837	MBS 32-3814-1AB08	10 - 30 V dc	-40 - 85 °C	IP65

060G2085	MBS 32	0	10	bar	Gauge (relative)	REL ICS	0 - 10 V	DIN 43650- A, plug Pg 9	G 1/2 EN 837	MBS 32- 2015-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G3029	MBS 32	0	400	bar	Gauge (relative)	ABS ICS	1 - 5 V	DIN 43650- A, plug Pg 9	G 1/2 EN 837	MBS 32- 3613-1AB08	10 - 30 V dc	-40 - 85 °C	IP65
060G3050	MBS 32	0	1,60	bar	Absolute	ABS ICS	0 - 10 V	DIN 43650- A, plug Pg 9	G 1/2 EN 837	MBS 32- 1225-1AB08	15 - 30 V dc	-40 - 85 °C	IP65
060G3608	MBS 32	0	250	bar	Gauge (relative)	ABS ICS	1 - 6 V	DIN 43650- A, plug Pg 9	G 1/4 EN 837	MBS 32- 3414-1AB04	9 - 30 V dc	-40 - 85 °C	IP65
060G3953	MBS 32	0	2,50	bar	Absolute	ABS ICS	0 - 10 V	Screened cable 2 m	1/4-18 NPT	MBS 32- 1425-3AC04	15 - 30 V dc	-40 - 85 °C	IP67

Accuracy typical +/-0.3% FS

Accuracy maximum +/-0.8% FS

Note: Pressure sensor - ABS ICS is a Gauge sensor manufactured as a sealed gauge (fixed 1013 mbar reference)

REL ICS is the standard sensor calibrated and sealed at atmospheric pressure.