



Extreme conditions call for extreme reliability
State-of-the-art hydraulic pressure transmitters from Danfoss

The MBS 1250

- reliable performance



High stability in ambient temperatures up to 125 °C as standard | Thin film technology ensures exceptional accuracy and long-term stability | Wide

Danfoss is one of the world's largest manufacturers of pressure transmitters for heavy-duty and industrial applications. With more than 50 years experience within the field, we have in-depth understanding of the ever-increasing challenges our customers face. The extensive know-how is built into our advanced MBS 1250 pressure transmitter.

The MBS 1250 has been specifically designed for the extreme conditions encountered in agriculture, forestry, mining, material handling and construction. The robust and thoroughly proven transmitters guarantee safe, reliable performances. Day after day.

Every pressure MBS 1250 transmitter comes with the high quality, accuracy and reliable performance you expect from the Danfoss name. In short, Danfoss' MBS 1250 pressure transmitters keep industrial processes under control.

All products are designed to comply with the EU directives on EMC. In addition, a range of industry-specific EMC standards are observed, e.g. ISO 13766 (earth-moving machinery) and DIN 40389 (EMC in road vehicles).

Tight enclosure efficiently protects the transmitter against moisture | Dual output versions – with temperature or switch output | Integrated pulse



Safe, accurate and reliable performances are built into every one of Danfoss' hydraulic components, allowing you to meet extreme conditions with peace of mind.



Thoroughly proven features

Danfoss has years of experience producing pressure transmitters to customer specification, and the superior know-how is obvious in the accurate and highly reliable MBS 1250

The advantages of the MBS 1250 for heavy-duty applications include:



Danfoss' highly reliable and robust hydraulic solutions are based on 50 years of experience within the field, ensuring state-of-the-art components for monitoring and controls systems.



pressure range up to 600 bar

snubber prevents cavitations and liquid hammer

- Thin film technology ensures exceptional accuracy, fast response time and long-term stability
- High stability in ambient temperatures up to 125° C comes standard
- Wetted parts are all made of stainless steel
- Compact dual outputs – with temperature or switch output versions
- Tight enclosure efficiently protects the transmitter against moisture caused by fluctuating temperatures
- Wide pressure range (up to 600 bar)
- Cost-effective room-temperature calibration
- Built to customer spec – wide range of process and electrical connection outputs
- Comply with EU directives on EMC

Designed to meet the most stringent requirements, the MBS 1250 pressure transmitter for heavy-duty applications is further fitted with an integrated pulse-snubber in the transducer to prevent dangerous cavitations and liquid hammer at the diaphragm. In addition, the carefully thought-out design offers excellent vibration stability and EMI protection up to 100 V/m.



OEM pressure transmitters for heavy duty applications, type MBS 1250

MBS 1250 standard versions

Output signal	Electrical connection	Pressure connection	Measuring range Pe ¹⁾ [bar]	Industrial pack ²⁾ Code no.	Single pack Code no.
Ratiometric 10-90% of V _{sup.}	Deutsch DT 04	7/16-20 UNF	0-10	063G4266	063G1266
			0-40	063G4274	063G1274
			0-160	063G4282	063G1282
			0-250	063G4290	063G1290
		0-400	063G4298	063G1298	
		G ¼ DIN 3852 - E	0-10	063G4265	063G1265
			0-40	063G4273	063G1273
			0-160	063G4281	063G1281
	0-250		063G4289	063G1289	
	Packard Metri Pack	G ¼ DIN 3852 - E	0-400	063G4297	063G1297
			0-600	063G4305	063G1305
			0-10	063G4264	063G1264
			0-40	063G4272	063G1272
		Packard Metri Pack	0-160	063G4280	063G1280
			0-250	063G4288	063G1288
			0-400	063G4296	063G1296
0-600			063G4304	063G1304	

Output signal	Electrical connection	Pressure connection	Measuring range Pe ¹⁾ [bar]	Industrial pack ²⁾ Code no.	Single pack Code no.
1-5V	Deutsch DT 04	G ¼ DIN 3852 - E	0-10	063G4263	063G1263
			0-40	063G4271	063G1271
			0-160	063G4279	063G1279
			0-250	063G4287	063G1287
			0-400	063G4295	063G1295
			0-600	063G4303	063G1303
	Packard Metri Pack	G ¼ DIN 3852 - E	0-10	063G4262	063G1262
			0-40	063G4270	063G1270
			0-160	063G4278	063G1278
			0-250	063G4286	063G1286
			0-400	063G4294	063G1294
			0-600	063G4302	063G1302

Output signal	Electrical connection	Pressure connection	Measuring range Pe ¹⁾ [bar]	Industrial pack ²⁾ Code no.	Single pack Code no.
4-20 mA	M12 X 1	7/16-20 UNF	0-10	063G4267	063G1267
			0-40	063G4275	063G1275
			0-160	063G4283	063G1283
			0-250	063G4291	063G1291
	Deutsch DT 04	G ¼ DIN 3852 - E	0-400	063G4299	063G1299
			0-10	063G4261	063G1261
			0-40	063G4269	063G1269
			0-160	063G4277	063G1277
			0-250	063G4285	063G1285
			0-400	063G4293	063G1293
	Packard Metri Pack	G ¼ DIN 3852 - E	0-600	063G4301	063G1301
			0-10	063G4260	063G1260
			0-40	063G4268	063G1268
			0-160	063G4276	063G1276
			0-250	063G4284	063G1284
			0-400	063G4292	063G1292
			0-600	063G4300	063G1300

¹⁾ Gauge / relative

²⁾ To be ordered in the multiple of 50 pcs.

Adapters

From pressure connection	To pressure connection	Single pack Code no.
G ¼ DIN 3852	7/16-20 UNF - flare	063G0300
	7/16-20 UNF - 2A	063G0301
	9/16-18 UNF - 2A	063G0302
	¼" NPT	063G0303
	R ¼"	063G0304

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