Industrial Pressure Transmitters

BD|SENSORS
pressure measurement

- Nominal pressure ranges 0...10 mbar to 0...2200 bar
- Accuracy 0.1 / 0.25 / 0.35 / 0.5% FSO IEC 60770
- Output signal 4...20 mA / 2-wire; 0...10 V / 3-wire; etc.
- Various electrical and mechanical connections
- Extremely robust and long-term-stable

paab
TEKNO TRADING

Paab Tekno Trading AB - Tingvallastrand 12, 661 40 Säffle, Sweden
Tel: +46 533 150 60 - Fax +46 533 169 31 - info@paab.com - www.paab.com

General Information

Industrial Pressure Transmitters

high precision and long-term stability

For over- and absolute pressure measurement and vacuum applications
Pressure range **0...10 mbar to 0...2200 bar**

Differential pressure measurement
Pressure range **0...0.1 mbar to 0...16 bar**

Based on different sensor technologies, combined with housing materials of stainless steel and various plastics, suitable for almost all industrial gases and fluids.

Can be adapted to almost any application due to a variety of electrical and mechanical connectors possible.

You will find further information about our products on www.bdsensors.com

Standard

Silicon sensor without media isolation

DMP 343

Pressure range	0...10 to 0...1000 mbar
Accuracy (IEC 60770)	0.35 / 0.5 % FSO
Option	Stainless steel field housing
Application	**Extreme low and low pressure for gases and compressed air**

Gases

Stainless steel silicon sensor

	DMP 331	DMP 333
Pressure range	0…100 mbar to 0…40 bar	0...60 to 0...600 bar
Accuracy (IEC 60770)	0.1 / 0.25 / 0.35 / 0.5 % FSO	0.1 / 0.25 / 0.35 % FSO
Option	Stainless steel field housing	
Application	**Low- and high-pressure for gases, fluids and medias, which are compatible with stainless steel and silicon oil filling**	

Universal

Stainless steel thin-film sensor

DMP 334

Pressure range	0...600 to 0...2200 bar
Accuracy (IEC 60770)	0.25 / 0.35 % FSO
Option	Stainless steel field housing
Application	**High and extremely high pressure for hydraulic applications with increased dynamic requirements (Heavy Duty)**
Special version	for iron and steel works

Hydraulic / Heavy Duty

Ceramic thick fi lm sensor

DMK 331

Pressure range	0…600 mbar to 0…600 bar
Accuracy (IEC 60770)	0.5 % FSO
Option	Stainless steel field housing, PVDF-pressure port, flush diaphragm (only stainless steel port)
Application	**Low and high pressure for medias, which are not compatible with stainless steel or silicon oil fi llings (e.g. oxygen or medical applications) PVDF ports for aggressive media**

Aggressive Medias

Technical Features

Output signal:	2-wire (4...20 mA) or 3-wire (e.g. 0...10 V, 0...20 mA, ...)
Electrical connection:	various plug connectors (DIN or circular plug) or cable outlet
Mechanical connection:	Inch, NPT and UNF Thread
Options:	Stainless steel field housing RS 232 Interface

Precision

Stainless steel silicon sensor

	DMP 331i	DMP 333i	LMP 331i
Pressure range Level	0...0.17 to 0...35 bar	0...70 to 0...600 bar	0...0.17 to 0...35 bar 0...1.7 to 0...350 mWC
Accuracy (IEC 60770)	0.1 % FSO		
Features	Intelligent electronics for linearisation and active temperature compensation (Temperature tolerance: 0.02 % / 10 K) with analog output 4...20 mA/2-wire optional with RS 232 Interface for offset and span adjustment		
Application	**High precision pressure transmitter with outstanding thermal behavior for laboratories, calibration units and test stands**		

Differential Pressure

	Edelstahl-Siliziumsensor	Dünnfilmsensor
	DPS 100	DMD 341
Pressure range	0...0.1 to 0...1000 mbar	0...6 mbar to 0...1 bar
Accuracy (IEC 60770)	0.2 / 0.5 / 1 % FSO	0.35 / 1 / 2 % FSO
Options	LCD Display, limit contacts	
Application	**for compressed air, non-aggressive gases**	

Gases

Stainless steel silicon sensor

	DMD 331
Pressure range	0...0.2 to 0...16 bar
Differential pressure	0...20 mbar to 0...16 bar
Accuracy (IEC 60770)	0.5 % FSO
Application	**for differential pressure measurement of gases and fluids, which are compatible with stainless steel**

Fluids