



Industrial - Pressure Transmitter Chemical Industry - Pharmacy - Foodstuff

BD | **SENSORS**
pressure measurement



- ▶ Nominal pressure ranges 0...0.1 bar to 0...400 bar
- ▶ Accuracy 0.25 / 0.35 / 0.5% FSO IEC 60770
- ▶ Output signal 4...20 mA / 2-wire; 0 ... 10 V / 3-wire; etc.
- ▶ Sanitary pressure ports (Dairy pipe, clamp, flange)
- ▶ Diaphragms in stainless steel, hastelloy, tantalum, etc.
- ▶ Food compatible oil
- ▶ Media temperatures up to 300°C
- ▶ Hygienically designed process connections





Pressure Transmitters for Hygienic and Foodstuff Applications

with flush-welded stainless steel diaphragms (optional: Hastelloy, Tantal, etc.)

Our pressure transmitters for food industry, chemical and pharmaceutical applications have hygienically designed process connections and correspond to the guidelines of the EHEDG and FDA.

They can be supplied with material and manufacturing test certificates to EN 10204 (e.g. 3.1 B, ...).

Output signal:	2-wire (4...20 mA) or 3-wire (0...10 V, 0...20 mA, etc.)
Electrical connection:	various plugs (DIN or circular plug), cable outlet
Process connection:	Inch Threads, Clamp, Dairy Pipe
Options:	Ex-version (zone 0) Stainless steel field housing Cooling element up to 300°C

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

Pressure transmitter



Ceramic thick film sensor

DMK 331 P

Pressure range	0...1 to 0...400 bar
Accuracy (IEC 60770)	0.5 % FSO
Process connection	G 1/2" / 3/4" / 1" flush
Options	Ex-version Stainless steel field housing Cooling element up to 150°C



Stainless steel silicon sensor

DMP 331 P

Pressure range	0...0.1 to 0...40 bar
Accuracy (IEC 60770)	0.25 / 0.35 / 0.5 % FSO
Process connection	G 1" flush Clamp (ISO 2852) DN 1" / 1 1/2" / 2" Dairy pipe (DIN 11851) DN 25 / 40 / 50
Options	Ex-version Stainless steel field housing Cooling elements up to 300°C



Multi-functional



Stainless steel silicon sensor

DS 200 P

Pressure range	0...0.1 to 0...40 bar
Accuracy (IEC 60770)	0.25 / 0.35 / 0.5 % FSO
Process connection	G 1" flush Clamp (ISO 2852) DN 1" / 1 1/2" / 2" Dairy pipe (DIN 11851) DN 25 / 40 / 50
Options	Ex-version Cooling elements up to 300°C

Ceramic thick film sensor

DS 201 P

Pressure range	0...1 to 0...400 bar
Accuracy	0.5 % FSO
Process connection	G 1/2" / 3/4" / 1" flush
Options	Ex-version Cooling elements up to 150°C

Stainless steel silicon sensor

DS 400 P

Pressure range	0...0.1 to 0...40 bar
Accuracy	0.25 / 0.35 / 0.5% FSO
Process connection	G 1" flush Clamp (ISO 2852) DN 1" / 1 1/2" / 2" Dairy pipe (DIN 11851) DN 25 / 40 / 50
Options	3 different positions of globe housing Ex-version Cooling element up to 300°C





Stainless steel silicon sensor

x|act i

Pressure range	0...350 mbar to 0...600 bar
Pressure port	G ½", ½" NPT, G 1" flush, Clamp, Dairy Pipe, Varivent®, Flange, Cooling element
Accuracy (IEC 60770)	0.1 % FSO
Housing	globe housing (3 versions), stainless steel field housing, aluminium die cast housing
Features	HART® communications; Turn-Down 1:10; Offset, span and damping adjustable

HART®



Capacitive ceramic sensor

x|act ci

Pressure range	0...60 mbar to 0...20 bar
Pressure port	G1 ½" flush, Clamp, Dairy pipe, Varivent®, Flange
Accuracy (IEC 60770)	0.2 % FSO
Housing	globe housing (3 versions), stainless steel field housing, aluminium die cast housing
Features	HART® communications; Turn-Down 1:10; Offset, span and damping adjustable

HART®

