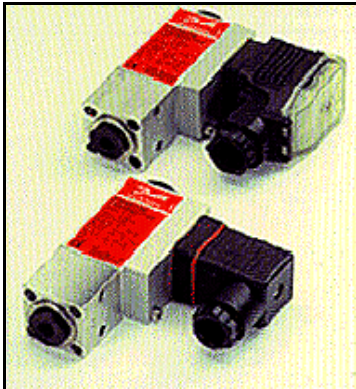




MBS 5100 / 5150



MBS 5100/5150 block design pressure transmitter

- ◆ Designed for use in severe industrial environments
- ◆ Very robust, compact and light design
- ◆ Temperature compensated and laser calibrated
- ◆ Very high accuracy
- ◆ Zero point and span adjustability
- ◆ Suitable for manifold installation
- ◆ Protected against cavitation (MBS 5150)
- ◆ Protected according to EU EMC directive
- ◆ Marine approved

Technical data

Media: Air, Gas, Liquid
 Operating temperature: -40°C to 85°C
 Electrical connection: DIN 43650 plug Pg11 (Pg9 and Pg13.5 also available)
 Accuracy: $\pm 0.1\% \text{ FS (typ.)}$, $\pm 0.3\% \text{ FS (max.)}$
 Supply voltage: 10 to 32 V d.c. polarity protected
 Output signal: 4 to 20 mA
 Process connection*: G $\frac{1}{2}$ " female with flange for mounting on to manifold.
 For more information: See Datasheet DKACT.PD.P20.Q

MBS 5150 has an integrated pulse snubber for protection of the sensor element against extreme pressure peaks and pulsations caused by pumps or fast operating valves in both high and low pressure plants.

The integrated pulse snubber is designed as a 0.3 mm orifice mounted in the pressure connection. The medium should not contain particles, which may clog up in the orifice. The viscosity has only little effect on the response time. Even at viscosities up to 100 cSt, the response time will not exceed 4 msec.

Ordering - Standard program, gauge (relative) pressure version, G $\frac{1}{4}$ " + flange connection, Pg11

Pressure range Pe	Max. Operating	Min. burst pressure	MBS 51 00 Code No.	MBS 5150-Integrated-pulse snubber Code No.
0 to 1 bar	2 bar	50 bar	060N1032	060N1081
0 to 2.5 bar	8 bar	50 bar	060N1033	060N1083
0 to 4 bar	8 bar	50 bar	060N1034	060N1084
0 to 6 bar	20 bar	50 bar	060N1035	060N1063
0 to 10 bar	20 bar	50 bar	060N1036	060N1064
0 to 16 bar	50 bar	100 bar	060N1037	060N1065
0 to 25 bar	50 bar	100 bar	060N1038	060N1085
0 to 40 bar	80 bar	800 bar	060N1039	060N1066
0 to 60 bar	200 bar	800 bar	060N1040	060N1086
0 to 100 bar	200 bar	800 bar	060N1041	060N1087

* For further information refer to Datasheet DKACT.PD.P15.B or contact us.

The MBS 5100 / 5150 products above are supplied ready to be flange mounted with the G $\frac{1}{4}$ " pressure connection plugged and tightened to a 60Nm torque. Versions also available with the flange connection not drilled through and no G $\frac{1}{4}$ " A plug.



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