

New Differential Pressure Transmitter Model STD

The differential pressure transmitters produced by Yamatake complement our pressure transmitters UniTrans, the temperature transmitters T32 and the wide range of diaphragm seals with a cost-effective and flexibly applicable differential pressure measuring instrument. For technical specifications please refer to the details overleaf.

Ex-protection

The differential pressure transmitters include the EX approval Intrinsically safe (FM and ATEX) and Explosionproof (FM) as a standard. They can be used in explosive areas as well as in non-hazardous areas.

High turndown

The measuring range is universally adjustable in the limits of -1 ... +1 bar. A turndown of up to max. 1:135 enables even the lowest measuring spans. The minimum measuring span amounts to 7.5 mbar, the maximum span is 1 bar.

Examples for realizable setting ranges

-1 bar ... 0 bar
-1 bar ... -0,9925 bar
-7,5 mbar ... 0 bar
-4 mbar ... 4 mbar
-500 mbar ... 500 mbar
0 bar ... 1 bar

HART
COMMUNICATION FOUNDATION



Differential pressure transmitter model STD

WIKKA's complete range of process transmitters



Technical Information

Measuring span:	0 to 100 kPa
Max. static pressure:	70 bar
Accuracy:	0.075% of calibrated range for turndown up to 1:2 0.1% of calibrated range for turndown up to 1: 20 0.2% of calibrated range for turndown up to 1: 45 0.525 % of calibrated range for turndown up to 1: 135
Diaphragm:	Stainless steel (SUS316L)
Process flange:	Stainless steel (SCS14A)
Fill fluid:	Silicone oil
Process connection:	1/2 NPT female with adapter flange 1/4 NPT female without adapter flange
Display:	4 1/2 digit LCD display (engineering unit)
Power supply:	10.8 VDC to 45 VDC
Material bolts and nuts:	Stainless steel (SUS304)
Output signal:	4-20 mA, HART
Standard features:	Explosionproof (FM) Intrinsically safe (FM and ATEX) External zero/span adjustment Mounting bracket for 2-inch pipe



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For further technical details please refer to our data sheet.

Ordering Information

Type-Ident-No.: 7706.55

FM Intrinsically safe and Explosionproof

Model code: STD920-E1H-00000-RW5-C7D7E5E9H3U1

E-No.: 7193070

ATEX Intrinsically safe

Model code: STD920-E1H-00000-RW7-C7D7E5E9H3U1

E-No.: 7209146

Contact

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