

MDA 435 | MDA 467 Pressure Sensors

*HIGH ACCURACY GERMAN SERIES MELT PRESSURE
TRANSDUCER FOR SPACE RESTRICTED AREAS*



Description

Dynisco Model MDA467 and MDA435 Series of pressure transducers are the ideal choice for general purpose polymer melt pressure measurements with space restriction issues. The MDA467 and MDA435 features a 0.06" diameter exposed capillary. This allows 1/16" radius bends. It also has a free-spinning jam nut that simplifies installation. Standard transducers are supplied with a DyMax® coated diaphragm for increased wear resistance and longevity. A 6-pin bendix-style connector is used for easy connect and disconnect. The MDA467 and MDA435 designed for the restricted locations is ideal for nozzle pressure measurements in Injection Molding.

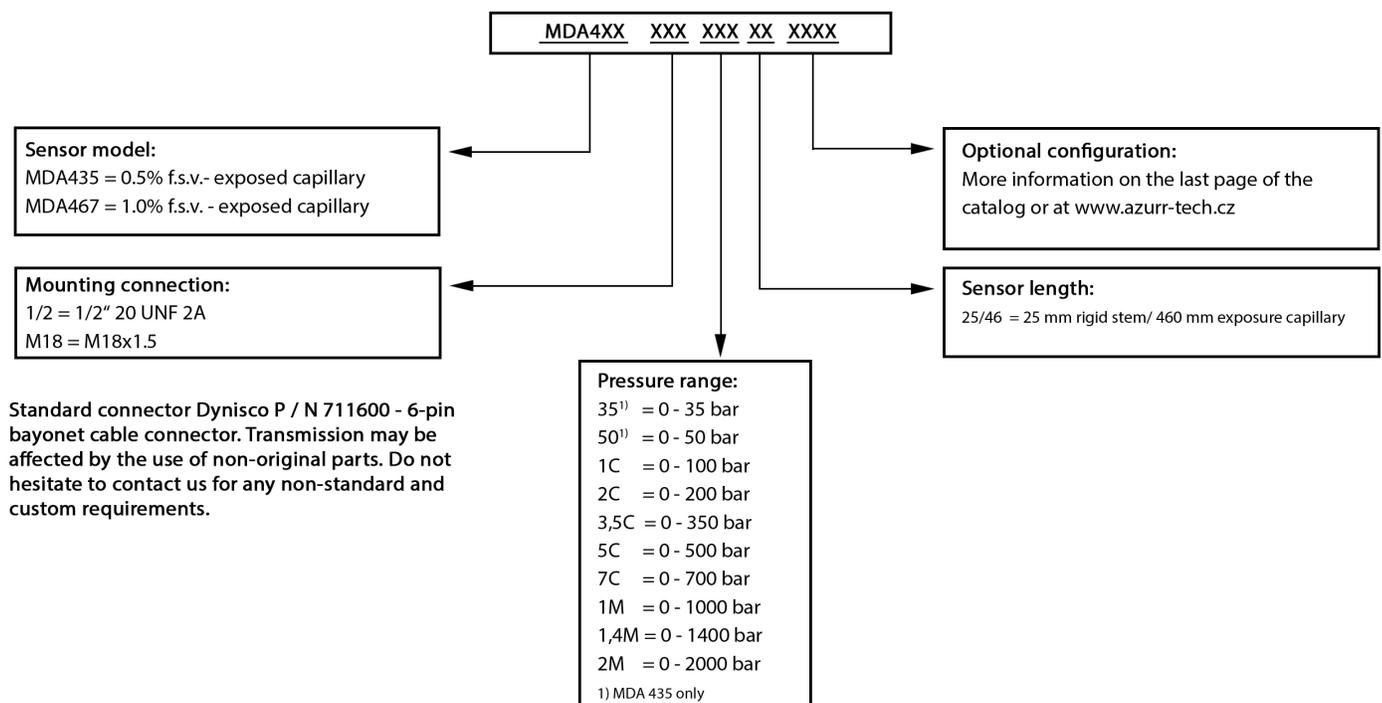
Features

- 3.33 mV/V full scale output
- Accuracy of better than $\pm 0.25\%$ - $\pm 0.5\%$
- Pressure ranges from 0 - 35 BAR to 0 - 2,000 BAR
- Fits in tight locations
- Internal 80% shunt calibration

Performance Characteristics	
Pressure Range:	0-35 bar to 0-2000 bar
Accuracy:	MDA435 $\pm 0.5\%$ f.s.v. (up to 50 bar $\pm 1\%$ f.s.v.); MDA467 $\pm 1\%$ f.s.v.
Repeatability:	MDA435 $\pm 0.1\%$ f.s.v. (up to 50 bar $\pm 0.2\%$ f.s.v.); MDA467 $\pm 0.2\%$ f.s.v.
Resolution:	Infnite
Maximum Overload (without influencing operating data):	2x pressure range for range 1000 and 1400 bar max. 1750 bar and max. 2400 bar for range 2000 bar
Burst Pressure:	6x pressure range max. 3000 bar
Material in Contact with Media:	15-5 PH SST (Mat. No. 1.4545) DyMax [®] coated

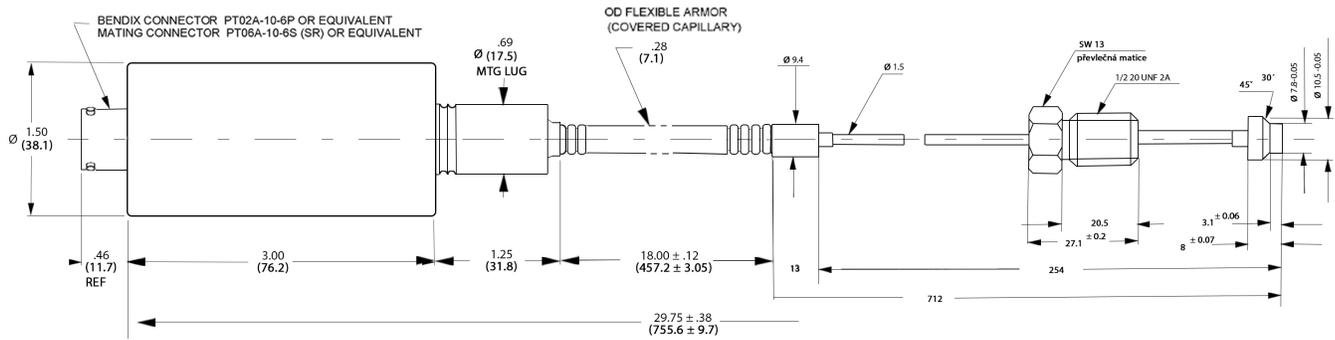
Temperature Influence	
Diaphragm	
Max. Temperature:	400°C
Zero Shift Due to Temperature Change:	MDA435 < 0.2 bar / 100°C MDA467 < 0.4 bar / 100°C
Housing	
Max. Temperature:	120°C
Zero Shift Due to Temperature Change:	MDA435 $\pm 0.2\%$ f.s.v./10°C MDA467 $\pm 1.0\%$ f.s.v./10°C
Sensitivity Shift Due to Temperature Change:	MDA435 $\pm 0.1\%$ f.s.v./10°C (up to 50 bar $\pm 0.2\%$ f.s.v./10°C); MDA467 $\pm 0.4\%$ f.s.v./10°C
Electrical Characteristics	
Configuration:	4-arm Wheatstone bridge strain gage
Internal Shunt Calibration:	80% f.s.v $\pm 0.5\%$ MDA435 $\pm 1.0\%$ MDA467
Output Signal:	3.33 mV/V
Supply Voltage:	10 V DC, max. 12 V DC
Zero Balance:	$\pm 5\%$ f.s.v MDA435 $\pm 10\%$ f.s.v MDA467
Strain Resistance:	350Ω
Leakage Resistance:	1000MΩ at 50 Vdc

Ordering Guide for MDA467 and MDA435 Pressure Sensors



Dimensions

MDA 435 / 467



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Přístupy k dokumentům jako jsou návody k obsluze a jiné podpůrné dokumenty

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