

The devices are FM Certified as Single Seal per ANSI/ISA 12.27.01 as tabulated below;  
therefore installation of external secondary seals is not required.

Single Seal	Model	Limited to:	
		MWP*	Process Temperature**
	PMD75, FMD77 and FMD78	420 bar (6091 psi)	-40°C...+100°C

\* Limitations of the Maximum Working Pressure (MWP) are marked on the nameplate and must be considered!

\*\* Limitations of the process temperature range depending on the used version are specified in the applicable technical information of the manufacturer and must be considered!  
FMD77, FMD78 allows higher process temperatures depending on the used diaphragm seal.  
This is allowable provided the above specified process temperatures are guaranteed at the sensor close to the enclosure (location of primary seal) for these types.

Install per National Electrical Code (ANSI/NFPA70)

This device is suitable to be installed in accordance with the wiring methods  
of Division 1/ Zone 1 for the types of protection explosionproof or dust ignition proof  
and for Division 2 for type of protection nonincendive.

The device is suitable for:

XP, Cl.I, Div.1, Gp. ABCD

Cl.I, Zone 1, IIC T6, T6:  $-40^{\circ}\text{C} \leq T_a \leq 75^{\circ}\text{C}$

for XP installation: Conduit seals must be installed within 18 inches of enclosure.

DIP for Cl.II, Div.1, Gp. EFG, Cl.III  $-40^{\circ}\text{C} \leq T_a \leq 75^{\circ}\text{C}$

NI for Cl.I, Div.2, Gp. ABCD  $-40^{\circ}\text{C} \leq T_a \leq 75^{\circ}\text{C}$

- Depending on location install per National Electrical Code (NEC) using wiring methods  
described in Article 500 through 510.

- Intrinsic safety barrier not required.

- DIP installations: A dust tight seal must be used at the conduit entry when the transmitter is  
used in a Class II & III location.

4-20 mA HART electronic:

max. supply voltage: 45 VDC

PROFIBUS PA, FOUNDATION Fieldbus electronic:

max. supply voltage: 32 VDC

(optional  $T_{a,min}$   $-50^{\circ}\text{C}$ )

For plastic coatings:

Warning: Avoid electrostatic charge!

