XA00669P-A/00/EN/01.12
CCS/FM9.0
FM/A 20.12.11
71193027

FM Control Drawing
XA00669P-A

Deltabar FMD72
4-20 mA HART (NI)

Endress+Hauser
People for Process Automation

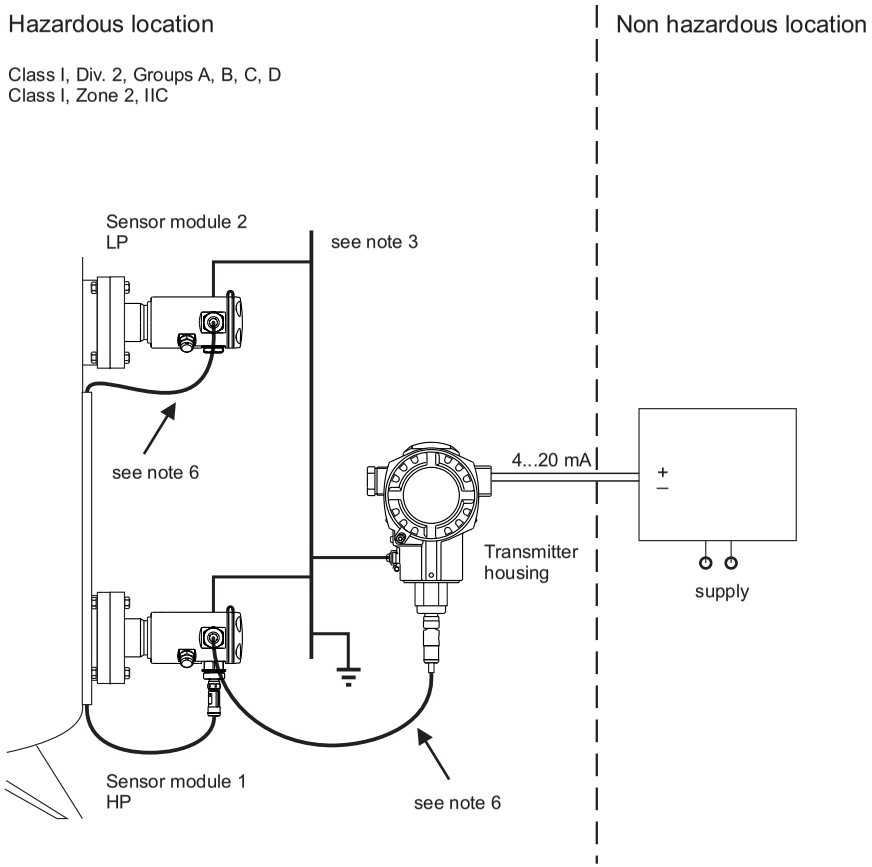

Table: Permissible ambient temperature and temperature code

Temperature code	Permissible ambient temperature
T6	–40 °C...50 °C
T4	–40 °C...70 °C

Nonincendive for Cl. I, Div. 2, Groups A, B, C, D, Class I, Zone 2, IIC
Hazardous Location Installation

1. Install per National Electrical Code (ANSI/NFPA70) or Canadian Electrical Code, Part I as applicable
   - max. supply voltage 45 VDC
   - max. ambient temperature: see table

2. Warning: Explosion hazard - Do not disconnect equipment unless power has been switched off or the area is known to be non hazardous.
   Warning: Open circuit before removing cover.
   Warning: Substitution of components may impair suitability for Cl. I, Div. 2.

3. Transmitter housing and sensor modules must have the same ground potential (e.g. transmitter housing and sensor modules all mounted to the same metal structure). If potential equalisation can not be achieved by the installation, the devices must be interconnected with a suitable bonding conductor using the external ground connections.

4. Nonincendive field wiring installation:
   The nonincendive field wiring circuit concept allows interconnection of nonincendive field wiring apparatus with associated nonincendive field wiring apparatus or associated apparatus not specifically examined in combination as a system using any of the wiring methods permitted for unclassified locations, when Vmax ≥ Voc or Vt, Ca ≥ Ci + Ccable, La ≥ Li + Lcable.
   Transmitter parameters are as follows: Vmax = 45 VDC;
   Ci ≤ 11.8 nF;
   Li =0;
   Imax = see note 5
   max. ambient temperature: see table

5. For these current controlled circuit, the parameter Imax is not required and need not to be aligned with parameter Isc and It of the associated nonincendive field wiring apparatus or associated apparatus.

6. Transmitter provides nonincendive field wiring circuits for connection to and between HP Sensor module 1 and LP Sensor module 2.

7. Sensor modules may only be connected to the transmitter and interconnected to each other. Any further connections are not allowed.

The devices are FM-approved 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**
	FMD72	40 bar (580 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!