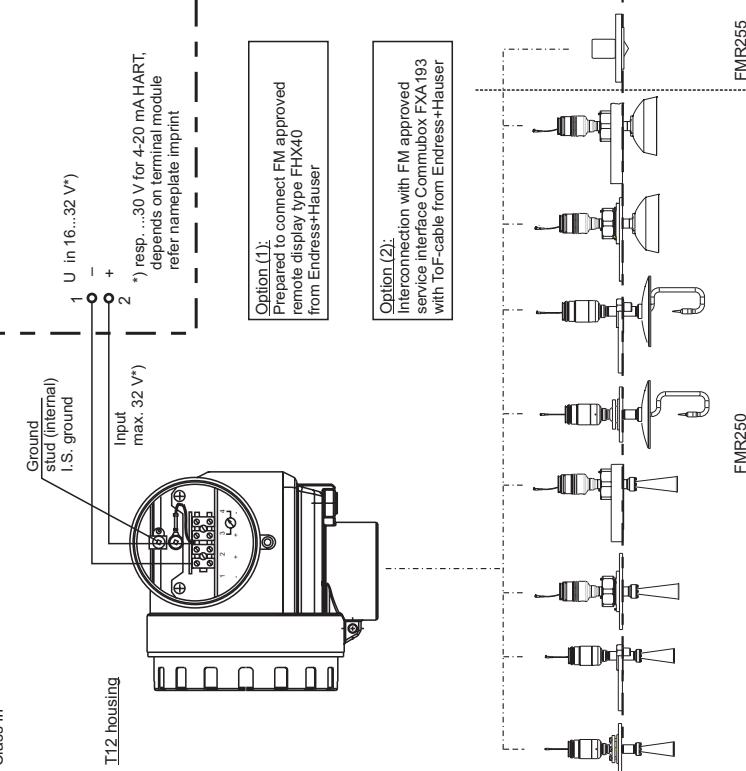


### Hazardous location

Class I, Div. 1,2, Groups A,B,C,D  
T12 housing: Class I, Zone 1, IIC  
Area: Class I, Zone 0, IIC Tx  
Class II, Div. 1,2, Groups E,F,G  
Class III

### Non hazardous location

Notes:  
**Division 1 installation**  
Exlosion proof, Class I, Div. 1, Groups A, B, C, D or AEx dia IIC, Class II, Div. 1, Groups E, F, G; Class III  
Hazardous locations installations.  
1. Install per National Electrical Code (NEC).  
2. Supply wires shall be installed in conduit in accordance with the NEC.  
3. Control room equipment may not use or generate over 250 Vrms.  
4. Terminal compartment.  
5. Warning: Keep cover tight when circuit is alive or the area is known to be non-hazardous.  
6. For electronic: Maximum ambient temperature = 70 °C  
7. Use supply wires suitable for 5 K above surrounding ambient.  
8. Ground stud shall be connected to a grounding electrode by 12 AWG wire or larger insulated conductors.  
9. Use a dust tight seal at the conduit entry in Class II and III location.  
10. Use of scavenging junction  
It is the users responsibility to use the adequate method by using the scavenging device, like:  
Installation has to be IP-grade 67 resp. IP-grade 65 (IEC/EN 60529), depends on location.  
Scavenging pressure > inside pressure at the container, max 10 bar resp. 150 psi.  
At non-scavenging status, a barrier spigot resp. valve must be closed.  
If the valve is spigot is open and no scavenging fluid is present the risk of flammable gas or combustible dust  
releases and flame entrance from outside exists.



XA00607F-E/00/EN/13.11  
CCS/FM6.0  
FM/E 17.05.11



## FM Control Drawing 960006749 E

Micropilot M  
FMR250, FMR255  
(T12 / XP)

71156465

		Permissible max. ambient temperature of the electronic compartment (Ta) (T12 housing)			FMR255	
		FMR250		Horn or parabolic antenna	FMR255	
Type	Type of antennas	Operation temperature				
FMR250 -	Horn	+40 °C	-40 °C	+200 °C	+60 °C	+55 °C
	Parabolic	-40 °C	-40 °C	+70 °C	+70 °C	+70 °C
FMR255 -	Compact	-40 °C	-40 °C	+200 °C	+70 °C	+70 °C

Permissible ambient temperature: Electronic: T12 enclosure -40...+70 °C resp. -40...158 °F  
Area of application:  
The compact instruments are suitable for use in areas subject to explosion caused by gases, vapours or mists.

Type	Type of antennas	Operation temperature	
FMR250 -	Horn	+40 °C	-40 °C
	Parabolic	-40 °C	-40 °C

Note: Take care to specific temperature ranges of antenna versions  
1) Functional means max. permissible probe temperature  
2) Special version of horn or parabolic reflector dimensions