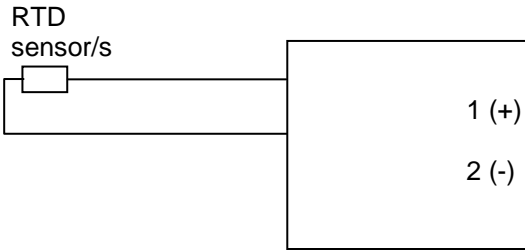


For use in US

Hazardous (Classified) Location

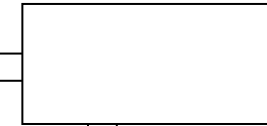
IS (Entity) Class I, Division 1, Groups C, D
 or Class I, Zone 0, AEx ia IIB T4 or T6 Ga
 or NI Class I, Division 2, Groups C, D

Endress+Hauser Yamanashi Co.,Ltd.
 NMT532-7.... (FMus)



Nonhazardous Location

Associated apparatus



Supply and Interface circuits

$$U_o = V_{oc} \leq 30 \text{ V}$$

$$I_o = I_{sc} \leq 120 \text{ mA}$$

$$P_o = P_{max} \leq 1 \text{ W}$$

$$C_a \geq 6.6 \text{ nF} + C_{cable}$$

$$L_a \geq 48 \mu\text{H} + L_{cable}$$

Entity and Nonincendive Field Wiring Parameters
 for terminals 1 (+), 2 (-)
 prothermo NMT532-7bcdefghij

$$U_i = V_{max} = 30 \text{ V}$$

$$I_i = I_{max} = 120 \text{ mA}$$

$$P_i = P_{max} = 1 \text{ W}$$

$$C_i = 6.6 \text{ nF}$$

$$L_i = 48 \mu\text{H}$$

Ambient temperature range - 40 °C to +60 or +85 °C (electronics)

The relation between the ambient temperature, the process temperature and the temperature class is shown in the following table:

Temperature class	Ambient temperature	Process temperature (sensor)
		Temperature measurement only
T6	≤ 60 °C	≤ 60 °C
T4	≤ 85 °C	≤ 100 °C

Notes

- The nonintrinsically safe terminals (supply and interface circuit) must not be connected to any device that uses or generates more than 250 V rms or dc unless it has been determined that the voltage has been adequately isolated.
- The installation must be in accordance with the National Electrical Code ANSI/NFPA 70 article 504 and ANSI/NFPA RP 12.6
- FM Entity approved associated apparatus necessary. Used in a configuration where associated apparatus U_o does not exceed U_i of the prothermo NMT532-7... and associated apparatus I_o does not exceed I_i of the prothermo NMT532-7... C_i of the prothermo NMT532-7... plus capacitance of interconnecting wiring may not exceed associated apparatus C_o . L_i of the prothermo NMT532-7... plus inductance of interconnecting wiring may not exceed associated apparatus L_o .
- For use in Class I, Division 2 location, rigid metal conduit is required if not installed in accordance with the nonincendive field wiring principles outlined with the National Electrical Code ANSI/NFPA 70 article 501 and ANSI/NFPA RP 12.6.

Warning:

- Substitution of components may impair intrinsic safety. For installation, maintenance or operation instructions see Instruction Manual.
- Don't modify parts and circuits of this instrument.
- Avoid electrostatic charge at the capacitance sensor.

REV	DATE	CONTENTS	REVISED	(基) PPROVED	SCALE	ESTABLISH DATE		
				/	X	22 Feb. 2007		
						APPROVED	CHECK	DESIGN
2	25 Jan. 17	Add "For use in US", etc.	H.Mizokuni			(基)	NO	Ex461-852
1	01 Jan. 08	Company name change	H.Mizokuni					
Endress+Hauser		TITLE			1 / 1			
Endress+Hauser Yamanashi Co.,Ltd.		Control drawing for NMT532-7.... (FMus)						