
Temperature transmitters**Measuring principle**Head transmitter

Input2 x RTD, TC

Output1 x analog 4...20 mA / HART

Auxiliary power supply11...42 V DC

CommunicationHART-protocol

InstallationTerminal head form B, DIN-Rail housing or field mount housing

Accuracy(Pt100) $\leq 0,1K$ (digital) + 0,03% (set range)

Galvanic isolationyes

Temperature transmitters**Certification**

ATEX II1G Ex ia IIC T4/T5/T6
ATEX II3G Ex ic IIC T6
ATEX II2D Ex tb IIIC Db
ATEX II3D Ex tc IIIC Dc
ATEX II3G Ex nA IIC T6
ATEX II1G Ex ia IIC T6, II3D
ATEX II3G Ex nA IIC T6, II3D
ATEX II2G Ex d T6, II2D Ex tb IIIC
CSA C/US General Purpose
CSA IS, NI I / 1+2/A-D
CSA XP, NI, DIP I, II, III/1+2/A-G
FM IS, NI I / 1+2/A-D
FM XP, NI, DIP I, II, III/1+2/A-G
EAC Ex ia IIC T6 Ga
EAC Ex d IIC T6 Gb
EAC Ex ia IIC T6, II3D
IECEX Ex ia IIC T4/T5/T6
IECEX Ex tb IIIC Db
IECEX Ex nA II T4/T5/T6
IECEX Ex d T6 Gb, Ex tb IIIC Db
INMETRO Ex ia [ia Ga] IIC T6 Gb
INMETRO Ex d T6 Gb, Ex tb IIIC Db
NEPSI Ex ia IIC T6 Ga
NEPSI Ex d IIC T6 Gb
NEPSI Ex nA IIC T6 Gc
TIIS Ex ia IIC T6
TIIS Ex nA II T6
UK II1G Ex ia IIC T6 Ga
UK II2D Ex tb IIIC Db
UK II3D Ex tc IIIC Dc
UK II1G Ex ia IIC T6 Ga, II3D Ex ia IIIC Dc
UK II3G Ex nA IIC Gc, II3D Ex tc IIIC Dc
UK II2G Ex db IIC T6 Gb, II2D Ex tb IIIC Db
ATEX IECEX II1G Ex ia IIC T6 Ga
FM+CSA IS, NI I/1+2/A-D

More information www.us.endress.com/TMT82