

The T72 programmable HART® temperature transmitter is a 2-wire transmitter with an analog output. It has measurement input for resistance thermometers (RTD) in 2-, 3- or 4-wire connections, thermocouples, resistance and voltage inputs. The transmitter can be programmed with a PC, HART® protocol hand-held terminal, or Bluetooth® configuration option. These small units can be mounted in Pyromation DIN (Form B) connection heads, or they can be used for surface mounting by using a 35 mm DIN-rail mounting clip.

## TEMPERATURE HEAD TRANSMITTER

Intrinsically safe universal head transmitter for resistance thermometers (RTD), thermocouples, resistance and voltage inputs, programmable using HART® protocol, for installation in a sensor head (Form B).



## Features and Benefits

- PC programmable temperature transmitter for converting various input signals into a scalable (4 to 20) mA analog output signal
- Universal settings for Input types:
  - Resistance thermometer (RTD)
  - Thermocouple (TC)
  - Resistance ( $\Omega$ )
  - Voltage (mV)
- HART® protocol for operating the device on site with handheld communicator or remotely via a PC
- Optional Display with direct mount or remote mount housing
- Optional Bluetooth® configuration
- HART® 7 protocol
- **CE** Marked meets EMC and ROHS Directive (RED with Bluetooth®)
- **CSA** For use in ordinary locations for US and Canada meets 61010-1
- Galvanic isolation
- **CSA** Intrinsically safe for hazardous locations
- Ex ia IIC T6...T4Ga
- Ex ia IIC T6...T4Gb
- Class I, Zone 0, AEx ia IIC T6...T4Ga
- Class I, Zone 1, AEx ia IIC T6...T4Gb
- IS Class I, Division 1, Groups A,B,C,D T6...T4
- IS Class I, Division 2, Groups A,B,C,D T6...T4
- **CSA** Explosion-proof for hazardous locations
- With 79 enclosure
- Class I, Division 1, Groups A,B,C,D; T6...T4
- Class II, Division 1, Groups E, F, G; Class III

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