

O TT421 is a 4-20 mA loop power HART® enabled intelligent temperature transmitter capable of measuring temperature using RTD's, thermocouples, resistance or mV input. The TT421 mounts on any industry standard DIN Form B connection head for easy integration with various sensors. This device meets all HART® Foundation physical layer requirements and is fully configurable through software. Extensive transmitter and sensor diagnostics are available through use of the Smar HPC301 Hand-Held Terminal based on the Palm platform or the Smar CONF401 Configuration Software for the Windows PC's.



## TECHNICAL CHARACTERISTICS

- ✓ Smart two-wire, 4-20 mA loop power transmitter with HART® communication;
- ✓ Measures temperature using resistive sensors (RTD's), thermocouples, sensors with resistance or mV outputs;
- ✓ Linearization international standards and custom calibration according to Callendar Van Dusen;
- ✓ Measurement Type:
  - Single Sensor: 2,3, or 4 wire configurations;
  - Dual sensor;
    - \* Differential;
    - \* Average;
    - \* Maximum;
    - \* Minimum.
- ✓ Extensive transmitter and sensor diagnostics;
- ✓ Factory tested isolation for 1500V;
- ✓ Mounts in industry standard DIN Form B connection head;
- ✓ Low cost panel installation;
- ✓ Configured to customer specifications prior to shipping.

**smar**  
**www.smar.com**

Specifications and information are subject to change without notice.  
Up-to-date address information is available on our website.

web: [www.smar.com/contactus.asp](http://www.smar.com/contactus.asp)



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