



TEMP.



Explosion Proof Two Wire Temperature Transmitter

Tek-Temp 2300A

1 FEATURES

- RTD, TC, Ohm, or mV input.
- Extremely high measurement accuracy.
- HART 5 protocol.
- Galvanic isolation.
- For DIN form B sensor head mounting.
- Linearized temperature measurement with Pt100...Pt1000, Ni100...Ni1000, or TC sensor.
- Difference or average temperature measurement of 2 resistance or TC sensors.
- Connection of up to 15 transmitters to a digital 2-wire signal with HART communication.

3 APPLICATIONS

- Oil and Gas
- Chemical
- Power
- Pharmaceutical
- Petrochemical
- Food Processing

2 SPECIFICATION

Accuracy	Better than 0.05% of selected range
Sensor Type	RTD : Pt100, Ni100, lin. R TC : B, E, J, K, L, N, R, S, T, U, W3, W5 Voltage : -800...+800 mV
Operating Temperature	-40°F to 185°F (-40°C to +85°C)
Compensated Temperature	68°F to 82.4°F (20°C to 28°C)
Power Supply	8.0 VDC to 30 VDC
Output Signal	4...20 mA
Response Time	01 sec to 60 sec
Weight	0.11 lbs (50g)
Enclosure Rating	IP00
Programming	HART
Humidity	< 95% RH (non-cond.)
Agency Approvals	ATEX, IECEx, FM, CSA, DNV Marine, SIL

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