

# Temperature Transmitters

Series 4400

**nishka**



**Flame Proof Field Mounted : Series 4400-TX-EX**  
**Head Mounted : Series 4400-TX-HM**  
**DIN-rail Mounted : Series 4400-TX-DR**

## SALIENT FEATURES

- ◆ RTD / Th/C input
- ◆ Two wire system
- ◆ 12 - 36 V DC supply
- ◆ Reverse polarity protected
- ◆ With & without local indication
- ◆ 3 ½ digit LCD display optional
- ◆ Span - Zero adjustment provided externally
- ◆ Monitor facility without breaking loop
- ◆ Available in flameproof field mounting  
CMRI certified enclosure



## TECHNICAL SPECIFICATIONS

Input	: 1) RTD, (PT-100) 3 wire 2) Th/C (any type)
Output	: 4 to 20 mA DC proportional to the input in two wire loop
Supply	: 12 V DC to 36 V DC two-wire loop
Load Resistance	: Max load = (supply voltage - 12V) / 20mA
Display	: 3 ½ digit, ½" LCD or blind
Span Zero adjustments	: Provided externally
Accuracy	: < +/- 0.2% of FSD for RTD < +/- 0.2% of FSD wrt thermovoltage signal for Th/C input (non-linearized)
Repeatability	: < +/- 0.15%
Range for RTD	: Min 40 deg C full scale : Max 625 deg C full scale
Zero elevation/suppression	: -200 to 200 deg C
Range for Th/C	: Th/C type and range to be specified (min span 200 deg C or 5mV FS)
Zero elevation/suppression	: As per users requirement
Broken Sensor	: Upscale (any lead)
Temperature Stability	: < +/- 0.02% per deg C
Operating Temperature	: 0 to 50 deg C
Humidity	: 90% RH non-condensing
Connection	: Screwed type 2.5 sq.mm terminals
Mounting	: 1) Field, 2" Pipe 2) Inside sensor head 3) DIN rail
Enclosure	: Cast Al. Flame proof Gr IIA, IIB, Weather proof IP65 (not for head / rail mounted transmitter)