



**TEMPERATURE
TRANSMITTER WITH SENSOR**

Temperature Transmitter with Sensor

Flameproof (LED display)

Series : uCS 4400 EX

SALIENT FEATURES

- ☰ LED display for better glow in dark conditions
- ☰ RTD / Th/C input
- ☰ 2 wire system
- ☰ Works on 12 to 36 V DC supply
- ☰ Reverse polarity protected
- ☰ External Span - Zero Adjustment provided
- ☰ Weatherproof / Exproof Enclosures
- ☰ Convenient 2" pipe mounting

The Series uCS 4400 EX temperature transmitters are sturdy instruments designed to accept input from temperature sensors such as RTD or Thermocouple. These instruments give 4 - 20 mA DC two-wire output which can be connected to DCS / PLC's or panel instruments. They can operate on voltages from 12 to 36 V DC. These units can be directly mounted in the field and in hazardous areas. A local indication of LED display is provided to enable proper readout even in dark conditions.

Technical Specifications

Input	: 1) RTD, Pt-100, 3 wire : 2) Any kind of thermocouple
Output	: 4 to 20 mA DC (2 wire)
Supply	: 12 to 36 V DC
Output Load	: 600 ohm at 24 V DC
Display	: 4 digit, 0.5" red 7 segment LED
Zero Span Adjustment	: provided externally
Display resolution	: 0.1 deg C for RTD, 1 deg C for Th/C
Accuracy	: < +/- 0.2% of FSD
Repeatability	: 0.15%
Range for RTD	: min 40 deg C full scale, maximum 650 deg C full scale
Zero / Elevation Suppression	: -200 to 200 deg C
Range for Th/C	: any type and any range possible
Broken Sensor	: upscale (any lead)
Mounting	: field, 2" pipe
Enclosure	: Cast Aluminium, Flp Gr IIA, IIB, IIC Weatherproof Ip65 CMRI certified
Terminals	: suitable for 2.5 sq.mm wires (screwed type)
Operating Temp	: 0 to 50 deg C
Temp. Co-efficient	: 0.015% / deg C
Humidity	: upto 95% rH (non-condensing)

Note : Sensor Specification as per Customer requirement

NISHKO INSTRUMENTS PVT. LTD.

EI-5, Electronic Zone, MIDC Bhosari, Pune 411026.

Phone : 020-27121066, 27127620, 27122304, Fax : 020-27122888

E-mail : nishko@vsnl.com Web site : www.nishko.com