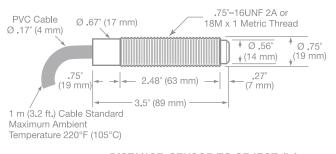
Instrumentation

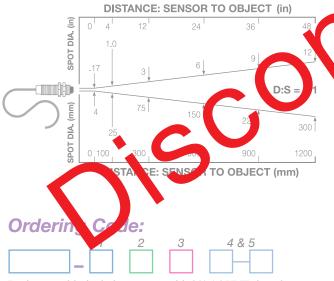
Non-contact Temperature Measurement Since 1972

Non-contact Infrared Temperature Measurement System — NCIT-LLC Series

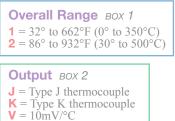


The NCIT - LLC model provides the advantages of infrared temperature measurement in a compact, low cost, integrated sensor. Designed for easy integration with a standard 4-wire system, the CI sensor can easily replace traditional contact probes with a type J or K thermocouple output, or with a 0-5 volt dc output if your application is susceptible to noise or requires a longer cable run.





Basic assembly includes: sensor with 3/4-16 UNF thread, preinstalled 3.3 ft./1 m cable and two mounting nuts.



Cable Length and Type BOX 3 A = 3.3 ft./1m cable - 220°F/105°C $B = 10 \text{ ft./3m cable - } 220^{\circ}\text{F}/105^{\circ}\text{C}$ $C = 50 \text{ ft.}/15 \text{m} \text{ cable} - 220^{\circ} \text{F}/105^{\circ} \text{C}$ Specify D, E or F if ordering coolable housing D = 3.3 ft./1m cable - 500°F/260°C E = 10 ft./3m cable - 500°F/260°C $F = 50 \text{ ft.}/15 \text{m} \text{ cable} - 500^{\circ} \text{F}/260^{\circ} \text{C}$

Marning: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Design Features

- * Type J or K thermocouple, or 0-5 VDC output
- * Two models cover temperature ranges from 32° to 932°F (0° to 932°F)
- * NEMA 4 (IP 65) stainless steel housing
- * 4:1 optics at 90% energy
- * 350 ms response time to 90% energy
- * Powered by 12-24 VDC at 20 mA
- * Accessories for cooling and air purging

Measurement Specifications



Elec cal opecifications

utputs Select Type J or K thermocouple or 10 mV / °C Jut Impedance: 50 ohms Min. Load Impedance: 50K ohms Power Supply: 12 - 24 Vdc @ 20 mA Standard Cable Length: 3.2 ft. (1 m)

Sensor Specifications

Environmental Rating: NEMA 4 (IP65) Ambient Temperature Range: 32° to 160°F (0 to 70°C) With air cooling 32° to 200° F (0 to 90° C) With water cooling 32° to 500° F (0 to 260° C) Thread: 3/4-16 UNF, optional 18M x 1 **Storage Temperature:** -22° to 185°F (-30 to 85°C) Relative Humidity: 10 to 90%, non-condensing

Accessories

d

Part Number	Description
REN25001	Fixed Mounting Bracket
REN25002	Adjustable Mounting Bracket
REN25003	Lens Air Purge Collar
REN25004	Right Angle Mirror

Options (Select 2) BOX 4 & 5

C = Coolable housing with air purge $M = 18M \times 1$ metric thread instead of 3/4-16 UNF N = None

Ordering Information

Create an ordering code by filling in the boxes per your requirements and a part number will be assigned.

Standard lead time is stock to 4 weeks.

(800) 323-6859 • Email: sales@tempco.com