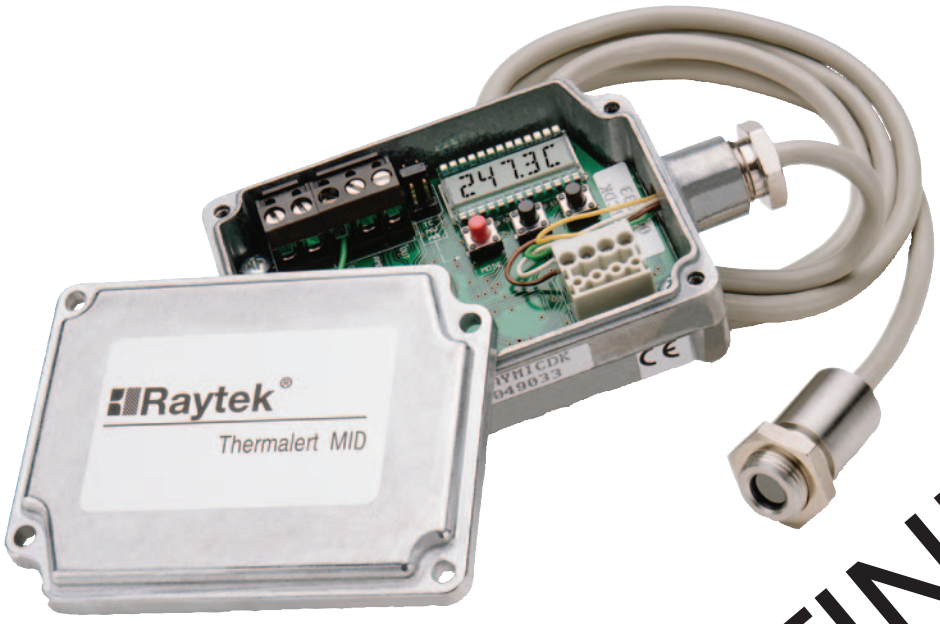
Non-contact Infrared Temperature Measurement System — NCIT-LC Plus Series



Design Features

- *-40°F to 1132°F (-40° to 600°C)*
- *Compact and Rugged*
- *5-digit backlit LCD User Interface*
- *Designed for Online Monitoring and Control*
- *Ultra-Fast Response Time - 150 ms*
- *Stainless Steel Sensing Head*
- *10:1 and 22:1 Optics*
- *0/4 - 20 mA or 0 - 5V, J or K thermocouple outputs*
- *Choice of 3 ft. or 10 ft. cable*
- *Mounting Hardware Included*
- *12-24 VDC Powered*

Common Industrial Applications

- *Plastics*
- *Paper and Pulp Converting*
- *Chemicals*
- *Food Processing*
- *Pharmaceutical*
- *Electronics*
- *Construction*
- *Industrial Maintenance*

Proven Technology

PRECISION INFRARED TEMPERATURE MEASUREMENT *has been around for years to increase productivity, reduce costs and improve product quality. Microfabrication techniques have allowed us to reduce the size and cost of our sensors, bringing the benefits of this technology to a new group of users.*

Many of the NCIT-LC Plus's features are typically only available on larger and more expensive units and offer more flexibility through remote monitoring and control of all sensor variables.

World's Smallest IR Sensor

The NCIT-LC Plus is a versatile two-piece system with a miniature sensing head and separate electronics. The sensor is small enough to be installed just about anywhere, yet it performs as well as much larger systems. The sensor is housed in rugged stainless steel to ensure long-term performance, even in harsh environments with ambient temperatures up to 85°C (185°F). And the NCIT-LC Plus's response time is as fast or faster than many high-end systems.

Rugged, Reliable, Practical Features

The NCIT-LC Plus's electronics include: Emissivity and selectable Peak Hold, Valley Hold, and Averaging, all of which (including output type) are programmable on the 5-digit/3-button LCD user interface.

Accessories, including an air purge jacket, air cooling jacket, and mounting adapters, ensure accuracy in applications ranging from plastics manufacturing to food processing.

Optional Communications for PC Interfacing

Even more features are available with optional RS-232 or RS-485 communications and the new DataTemp® Multidrop Software. These features include remote control and monitoring of all sensor variables, a 5V alarm signal triggered by a target temperature or head ambient temperature. Also included is an 8-position "recipe" table that can be easily interfaced to an external control system, an external reset signal input for signal processing, and even external inputs for analog emissivity adjustment or reflected energy compensation.

Lower cost sensors are available with fixed emissivity; consult Tempco for further details.

View Product Inventory @ www.tempco.com