

Infrared Temperature Sensors

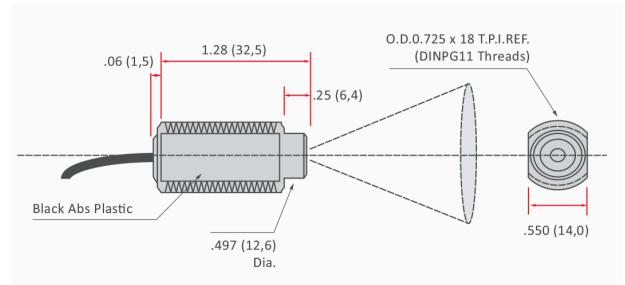
DATASHEET

IRT/C.01

Product Overview

The IRT/c.01 features:

- Infrared Thermocouple IRT/c
- Non-contact
- Self-powered
- Intrinsically Safe
- Repeatability 0.02°F (0.01°C)
- Interchangeability ±1%
- Resolution approx. 0.0001°C
- Small Size



Technical Data

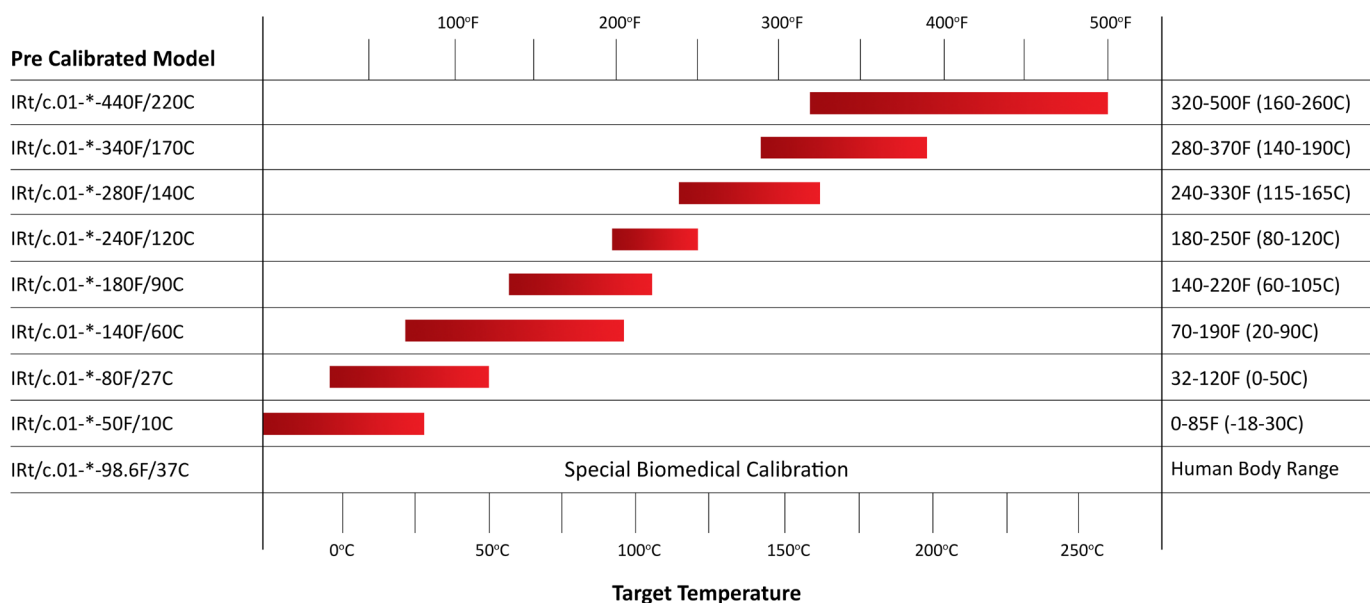
Sensing Range	-50 to 550°F (-45 to 290°C)	Response Time	100 Milliseconds
Ambient Temperature Range	0 to 160°F (-18 to 70°C)	Dimensions	1.28" x .71" Dia. (32.5 x 20mm)
Optimum Range Selections	Eight models per t/c type (see Temperature Selection Chart)	Housing	High strength ABS, hermetically sealed, exceeds NEMA 4,4X; IP65, 67, intrinsically safe. Two locknuts supplied
Field of View	approximately 1:1 (60°)	Cable	Thermocouple extension grade, PVC jacket, unshielded
Minimum Spot Size	.3" (8mm)	Weight	1.4oz. (40 grams) with cable
Spectral Response	6.5 to 14µm		
Output Impedance	3 Kohms approx		

Calibration

Ordering information **IRT/c.01-*** (Thermocouple Type) - (Precalibrated Temperature Range).

Thermocouple type J,K,E,T over temperature range specified.

Temperature Selection Chart



Specifications subject to change without notice