

Infrared Temperature Sensors

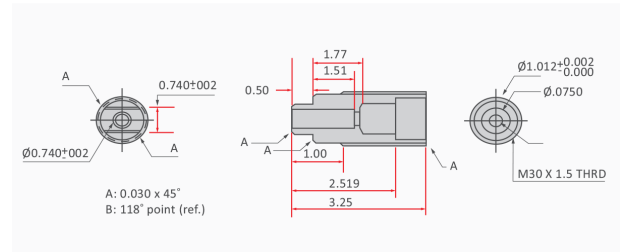
DATASHEET

IRT/C.07

Product Overview

The IRT/c.07 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



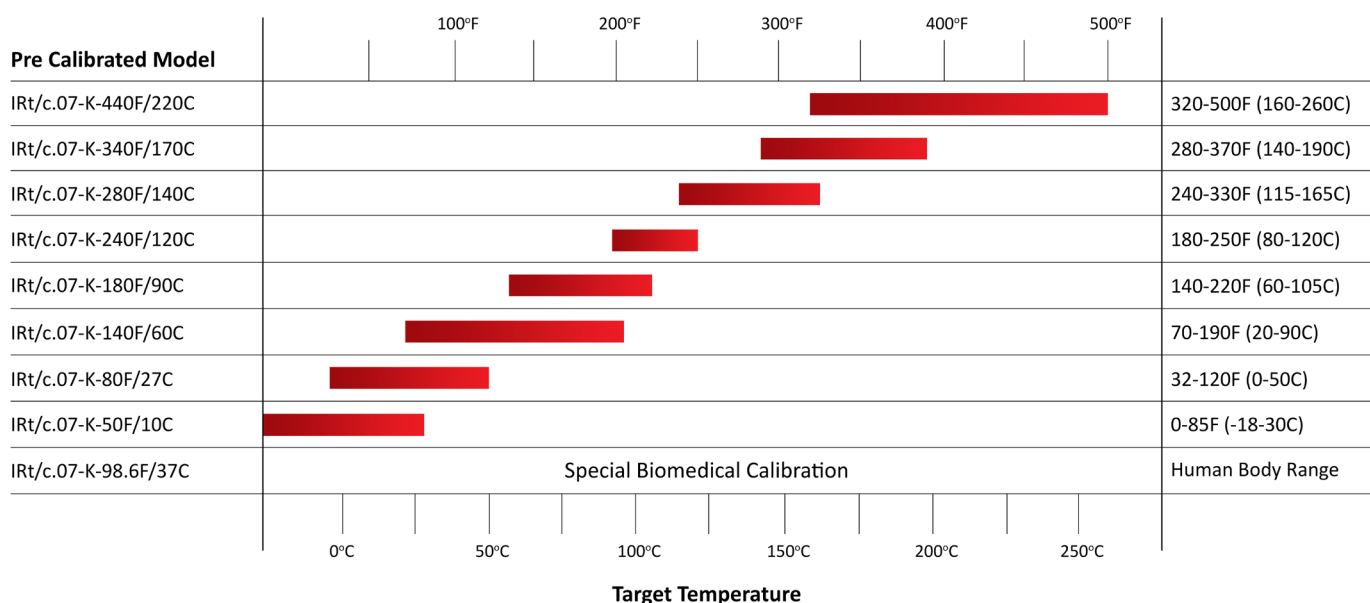
Technical Data

Sensing Range	-50 to 550°F (-45 to 290°C)	Response Time	100 Milliseconds
Ambient Temperature Range	-4 to 158°F (-20 to 70°C)	Dimensions	3.25" x 1.18" Dia. (82.5 x 29.97mm), M30 x 1.5 thread
Optimum Range Selections	Eight models per t/c type (see Temperature Selection Chart)	Housing	ABS Black Plastic, hermetically, exceeds NEMA 4X; IP67
Field of View	approximately 7:1 (8°)	Cable	3 feet of unshielded, duplex insulated, type K, 24 AWG, PFA jacket rated to 392°F (200°C) (Shielded cable available upon request)
Minimum Spot Size	.75" (19mm)	Weight	2.3oz. (65 grams) with cable
Spectral Response	6.5 to 14µm		
Output Impedance	3.5 to 14 Kohms approx		

Calibration

Ordering information **IRT/c.07-K-** (Precalibrated Temperature Range).

Temperature Selection Chart



Specifications subject to change without notice