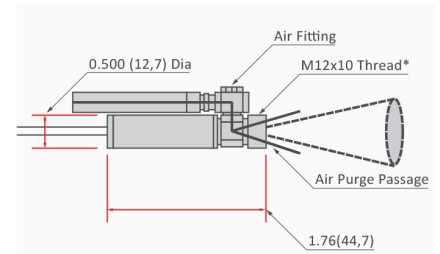


## IRT/C.3X

### Product Overview

The IRT/c.3X 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



\*IRT/c.3X includes ss mounting bracket & locknuts

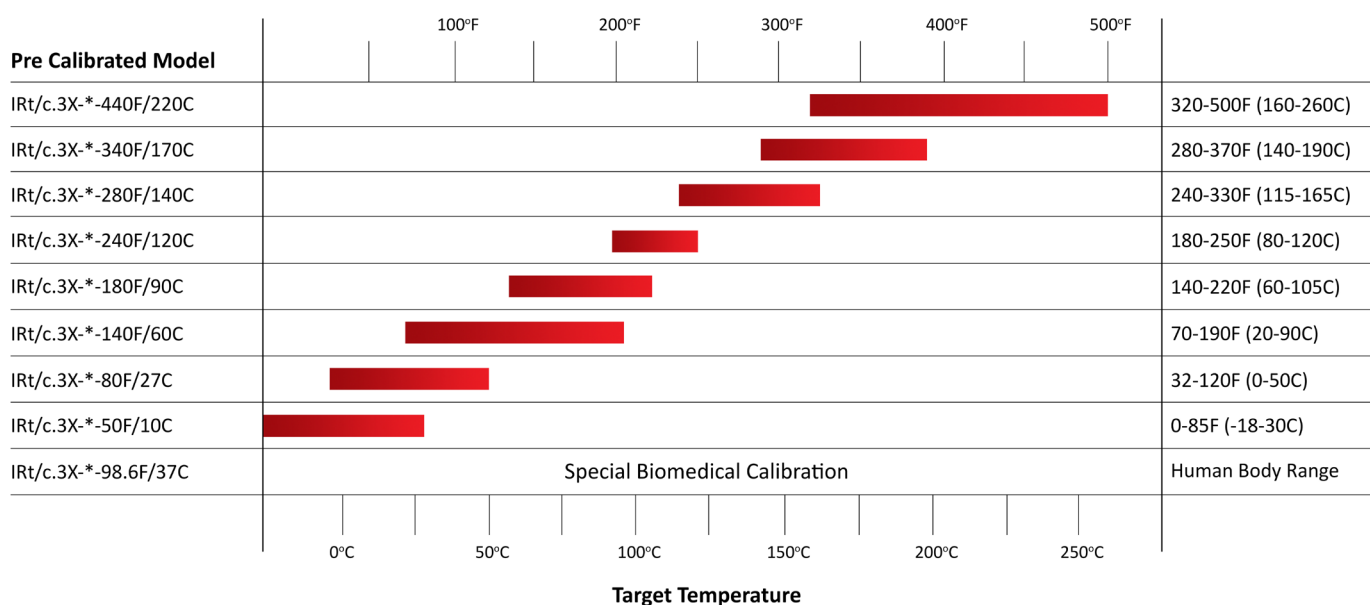
### Technical Data

Sensing Range	-50 to 1200°F (-45 to 650°C)	Dimensions	1.76" x .50" Dia. (44.7 x 12.7mm)
Ambient Temperature Range	0 to 248°F (-18 to 120°C)	Housing	Stainless steel, hermetically sealed, exceeds NEMA 4,4X; IP65, 67, cable shield grounded to housing and electrically isolated from signal
Optimum Range Selections	Eight models per t/c type (see Temperature Selection Chart)	Cable	Twisted shielded pair of base thermocouple material (J,K,E,T), 3ft (.9m) std length, Teflon sheathed, rated to 392°F (200°C) continuous service
Field of View	approximately 3:1 (17°)	Weight	1.4oz. (40 grams) with cable
Minimum Spot Size	.25" (6mm)	Air Purge	Built-in; designed for severe paint or ink environment; 3' (0.9 m) of tubing provided
Spectral Response	6.5 to 14μm		
Output Impedance	4 to 8 Kohms approx		
Response Time	100 Milliseconds		

### Calibration

Ordering information **IRT/c.3X-\*** (Thermocouple Type) - (Precalibrated Temperature Range).  
Thermocouple type J,K,E,T over temperature range specified.

Temperature Selection Chart



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Specifications subject to change without notice

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