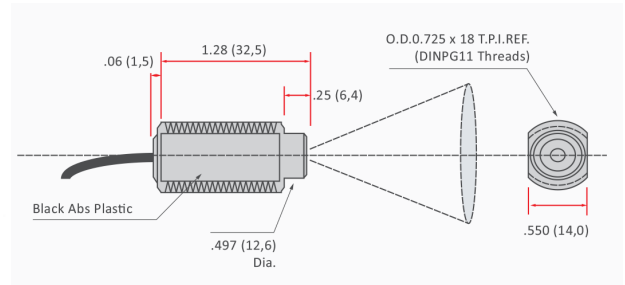


## IRT/C.01Z

### Product Overview

The IRT/c.01Z 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



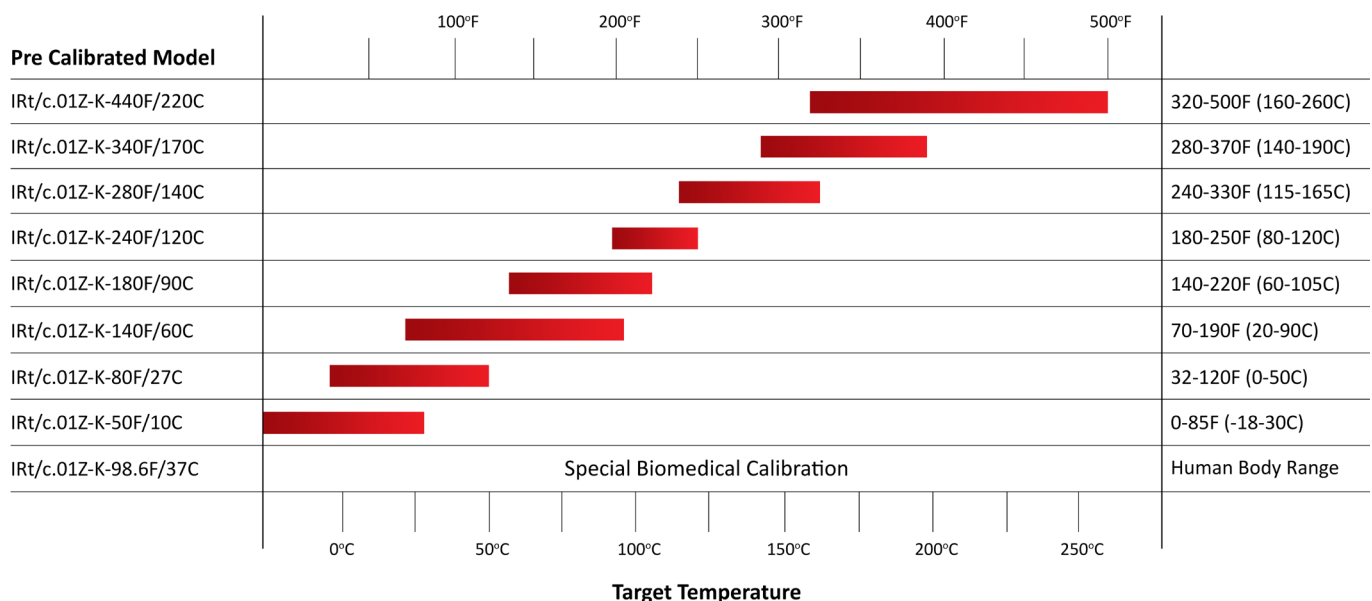
### Technical Data

Sensing Range	-50 to 550°F (-45 to 290°C)	Dimensions	3.25" x 1.18" Dia. (82.5 x 29.97mm), M30 x 1.5 thread
Ambient Temperature Range	0 to 160°F (-18 to 70°C)	Housing	High strength ABS, hermetically sealed, exceeds NEMA 4,4X; IP65, 67, intrinsically safe. Two locknuts supplied
Optimum Range Selections	Eight models per t/c type (see Temperature Selection Chart)	Cable	K type, thermocouple extension grade, PVC jacket, unshielded
Field of View	approximately 1:1 (60°)	Weight	1.4oz. (40 grams) with cable
Minimum Spot Size	.3" (8mm)	Input Device Compatibility	It is recommended to use input devices with less than 1 nA of leakage current to minimize offsets, and sensor break detection should be set to 40 Kohm maximum.
Spectral Response	6.5 to 14µm		
Output Impedance	15 to 40 Kohms approx		
Response Time	100 Milliseconds		

### Calibration

Ordering information **IRT/c.01Z-K-** (Precalibrated Temperature Range).

Temperature Selection Chart



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Specifications subject to change without notice

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