

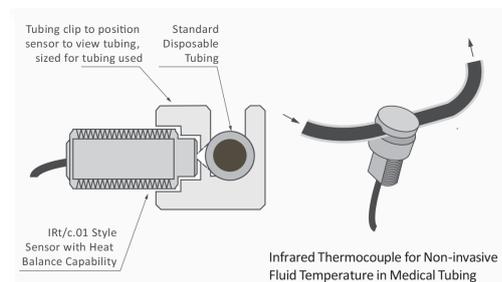
Infrared Temperature Sensors DATASHEET

IRT/C.01HB

Product Overview

The IRT/c.01HB 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)
Ambient Temperature Range	0 to 160°F (-18 to 70°C)
Optimum Range Selection	32 to 122°F (0 to 50°C) (Human body range)
Field of View	approximately 1:1 (60°)
Minimum Spot Size	.3" (8mm)
Spectral Response	6.5 to 14μm
Tubing Size Range	0.3 to 1.0" (8 to 25mm) O.D.

Output Impedance	3 Kohms approx
Response Time	100 Milliseconds
Dimensions	2.0" x 1.0" Dia. (51 x 25mm)
Housing	Hight strength ABS, hermetically sealed, exceeds NEMA 4,4X; IP65, 67, intrinsically safe
Cable	Thermocouple extension grade, PVC jacket, unshielded
Weight	1.4oz. (40 grams) with cable

Calibration

Custom specific calibration depending on application and tubing properties. Please contact **isweek** for more information.

Specifications subject to change without notice