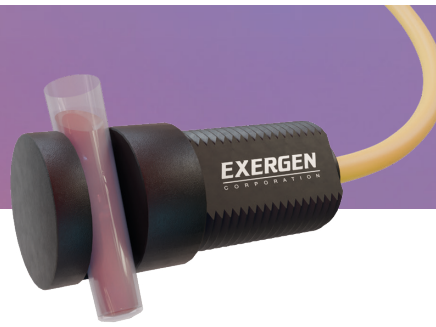


Datasheet

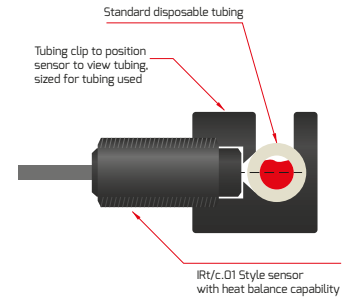
IRt/c.01HB



Product Overview

The IRt/c.01HB features:

- Infrared Thermocouple IRt/c
- Non-contact
- Self-powered
- Intrinsically Safe
- Repeatability 0,01°C (0.02°F)
- Interchangeability ±1%
- Resolution approx. 0,0001°C (0.0002°F)
- Small Size



Technical Data

Sensing Range	-45 to 290°C (-50 to 550°F)
Ambient Temperature Range	-18 to 70°C (0 to 160°F)
Optimum Range Selections	0 to 50°C (32 to 122°F) (Human body range)
Field of View	approximately 60° (1:1)
Minimum Spot Size	8 mm (.3")
Spectral Response	6,5 to 14µm
Output Impedance	3 Kohms approx

Tubing Size Range	8 to 25 mm (0.3 to 1.0") O.D.
Response Time	100 Milliseconde
Dimensions	51 x 25 mm Dia. (2.0" x 1.0")
Housing	Hight strength ABS, hermetically sealed, exceeds NEMA 4,4X; IP65, 67, intrinsically safe
Cable	Thermocouple extension grade, PVC jacket, unshielded
Weight	40g (1.4 oz.) with cable

Calibration

Custom specific calibration depending on application and tubing properties. Please contact Exergen Global for more information.