

Datasheet

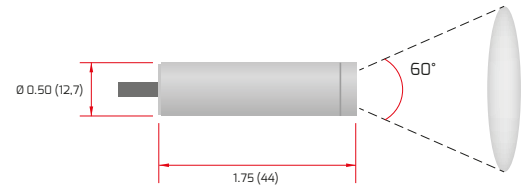
IRt/c



Product Overview

The IRt/c 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 650°C (-50 to 1200°F)
Ambient Temperature Range	-18 to 100°C (0 to 212°F)
Optimum Range Selections	Eight models per t/c type (see Temperature Selection Chart)
Field of View	approximately 60° (1:1)
Minimum Spot Size	8 mm (.3")
Spectral Response	6,5 to 14μm
Output Impedance	3 Kohms approx

Response Time	100 Milliseconds
Dimensions	44 x 12,7 mm Dia. (1.75" x .50")
Housing	Stainless steel, hermetically sealed, exceeds NEMA 4,4X; IP65, 67, cable shield grounded to housing and electrically isolated from signal
Cable	Twisted shielded pair of base thermocouple material (J,K,E,T), 0,9 m (3 ft) std length, Teflon sheathed, rated to 200°C (392°F) continuous service
Weight	40g (1.4oz.) with cable

Calibration

Ordering information IRt/c-* (Thermocouple Type) - (Precalibrated Temperature Range). Thermocouple type J or K over temperature range specified.

Temperature Selection Chart

