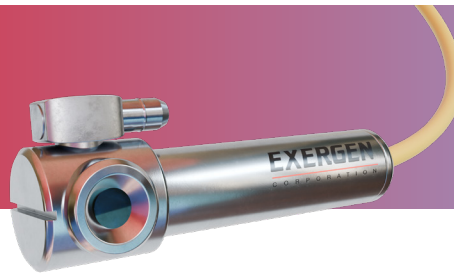


Datasheet

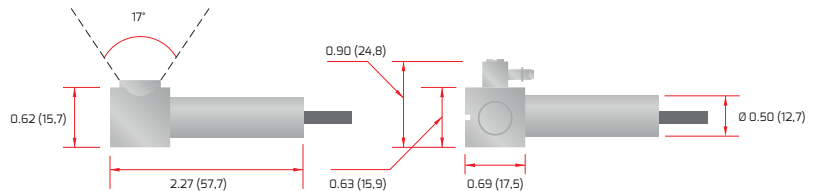
IRt/c.3SV



Product Overview

The IRt/c.3SV 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	-50 to 100°C (-58 to 212°F) With air on: -50 to 120°C (-58° to 248°F)
Optimum Range Selections	Eight models per t/c type (see Temperature Selection Chart)
Field of View	approximately 17° (3:1)
Minimum Spot Size	5 mm (.2")
Spectral Response	6,5 to 14μm
Output Impedance	4 to 8 Kohms approx

Response Time	100 Milliseconds
Dimensions	See diagram above
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
Air Purge	Built-in; designed for severe paint or ink environment
Weight	44g (1.6oz.) with cable

Calibration

Ordering information IRt/c.3SV-* (Thermocouple Type) - (Precalibrated Temperature Range). Thermocouple type J or K over temperature range specified.

Temperature Selection Chart

