

EXERGEN

C O R P O R A T I O N

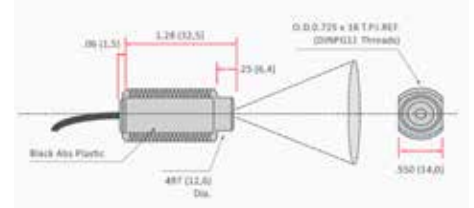
Infrared Temperature Sensors | DATASHEET

IRT/C.03

Product Overview

The IRT/c.03

- 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	Eight models per t/c type (see Temperature Selection Chart)
Field of View	approximately 17° (3:1)
Minimum Spot Size	6 mm (.25")
Spectral Response	6,5 to 14,μm
Output Impedance	4 to 8 Kohms approx

Response Time	100 Milliseconds
Dimensions	32,5 x 20 mm Dia. (1.28" x .71")
Housing	High strength ABS, hermetically sealed, exceeds NEMA 4,4X; IP65, 67, intrinsically safe. Two locknuts supplied
Cable	Thermocouple extension grade, PVC jacket, unshielded, 0,9 m (3")
Weight	40g (1.4 oz.) with cable

Calibration

Ordering information IRT/c.03-* (Thermocouple Type) - (Precalibrated Temperature Range). Thermocouple type J,K,E,T over temperature range specified.

Temperature Selection Chart

