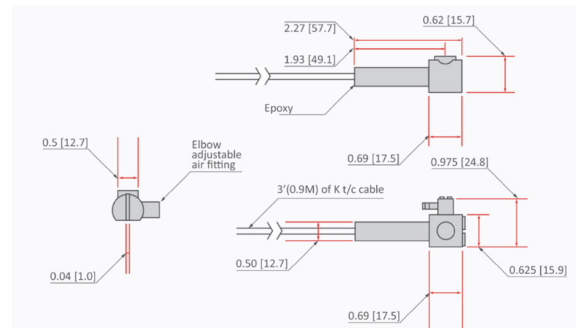


## AUTOSMART 3SV

### Product Overview

The AutoSmart 3SV 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

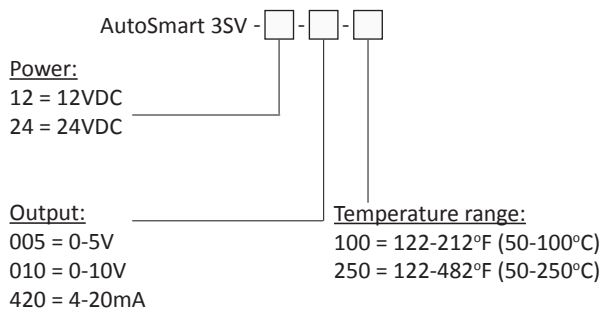


### Technical Data

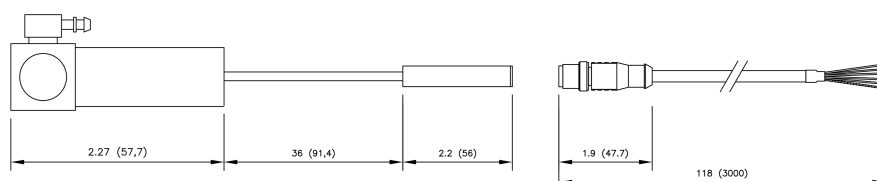
Sensing Range	-50 to 1200°F (-45 to 650°C)
Sensor Ambient Temperature Range	0 to 248°F (-18 to 120°C)
Transmitter Ambient Temperature Range	32 to 158°F (0 to 70°C)
Storage Temperature Range	14 to 158°F (-10 to 70°C)
Field of View	approximately 3:1 (17°)
Minimum Spot Size	0.2" (5mm)
Spectral Response	6.5 to 14µm
Update Time	Approximately 250 msec.
First Reading Upon Power Up	Approximately 2 seconds

Cable	1. 9.8ft (3M) 22AWB*4C + F + Jacket black PUR cable OD=5.0mm -40°C~+105°C 2. 3ft (0,9M) Twisted shielded pair of base thermocouple material (J,K,E,T) Telfon sheathed, rated to 392°F (200°C) continuous service
Sensor Dimensions	See diagram above
Weight	Sensor: 1.6oz. (44 grams) with cable Transmitter: Approximately 1.702oz. (50g)
Housing	Stainless steel, hermetically sealed, exceeds NEMA 4,4X; IP65, 67, cable shield grounded to housing and electrically isolated from signal
Emissivity Setting	0.90
Power	12 or 24VDC (±10%). Shuts off when voltage is functionally low
Power Consumption	±10 mA (without output signal device)
Including Air Purge	Built-in, for cooling and cleaning of sensor
Loop Impedance	(4-20mA models) >500Ω

### Ordering Information



### Dimensions



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Specifications subject to change without notice

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