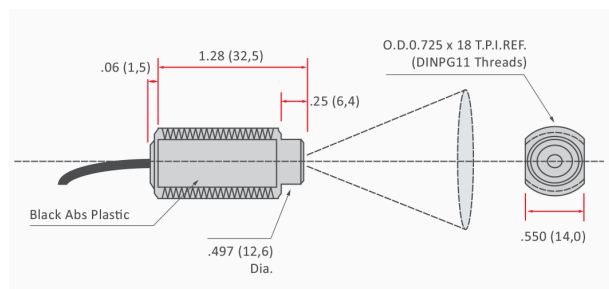


AUTOSMART 01

Product Overview

The AutoSmart 01 features:

- Output 0-5V, 0-10V, 4-20mA
- Non-contact
- Repeatability error 0.1% full scale
- Interchangeability $\pm 1.5\%$ full scale
- Resolution approx. 0.1°C
- Small size sensor



Dimensions are in inches (mm)

* IRT/c.01 including lock nuts

Technical Data

Sensing Range	-31 to 932°F (-35 to 500°C)
Sensor Ambient Temperature Range	0 to 160°F (-18 to 70°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	1:1 (60°) approximately
Minimum Spot Size	0.3" (8mm)
Spectral Response	5.0 to 20 μ m
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) Thermocouple extension grade, PVC jacket, unshielded
Sensor Dimensions	1.28" x .71" Dia. (32.5 x 20mm)
Weight	Sensor: 1.4oz (40g) Transmitter: Approximately 1.702oz. (50g)
Housing	Sensor: High strength ABS, hermetically sealed, exceeds NEMA, 4,4x; IP65,67. Two locknuts supplied. Transmitter: Heavy Duty SS, NEMA, IP54
Emissivity Setting	0.90
Power	12 or 24VDC ($\pm 10\%$). Shuts off when voltage is functionally low
Power Consumption	± 10 mA (without output signal drive)
Loop Impedance	(4-20mA models) >500 Ω

Ordering Information

AutoSmart 01 - [] - [] - []

Power:

12 = 12VDC

24 = 24VDC

Output:

005 = 0-5V

010 = 0-10V

420 = 4-20mA

Temperature range:

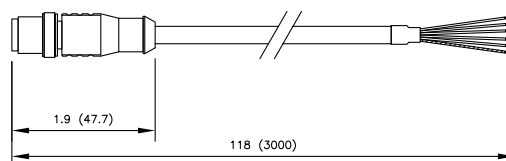
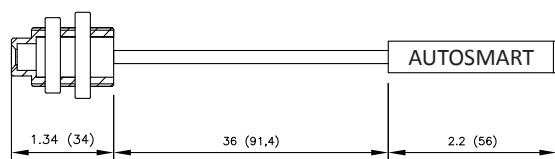
70 = -31-158°F (-35-70°C)

100 = 32-212°F (0-100°C)

250 = 32-482°F (0-250°C)



Dimensions



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Specifications subject to change without notice

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