

Datasheet

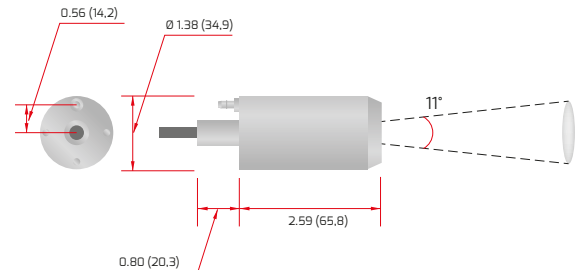
Autosmart 5



Product Overview

The AutoSmart 5 features:

- Output 0-5V, 0-10V, 4-20mA (scalable)
- Non-contact
- Repeatability error 0,1% full scale
- Interchangeability $\pm 1.5\%$ full scale
- Resolution approx. 0,1°C (0.2°F)
- Small size sensor



Technical Data

Sensor Range	-35 to 250°C (-31 to 482°F)
Sensor Ambient Temperature Range	-18 to 100°C (0 to 212°F) With air on: -18 to 200°C (0° to 400°F)
Transmitter Ambient Temperature Range	0 to 70°C (32 to 158°F)
Storage Temperature Range	-10 to 70°C (14 to 158°F)
Field of View	approximately 11° (5:1)
Minimum Spot Size	20 mm (0.8")
Spectral Response	6,5 to 14μm
Update Time	Approximately 250 msec.
First Reading Upon Power Up	Approximately 2 seconds

Connector cable	3 m (9.8 ft) 22AWG*4C + F + Jacket black PUR cable OD=5,0 mm -40°C~+105°C
Sensor cable	0,9 m (3 ft) Twisted shielded pair of base thermocouple material (J,K,E,T) Telfon sheated, rated to 200°C (392°F) continuous service
Sensor Dimensions	86 x 35 mm Dia. (3.4" x 1.375")
Weight	Sensor: 184g (6.5oz.) with cable. Transmitter: Approximately 50g (1.702oz.)
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 ($\pm 10\%$). Shuts off when voltage is functionally low
Power Consumption	$\pm 10\text{mA}$ (without output signal device)
Including Air Purge	Built-in; designed for severe paint or ink environment; 0,9 m (3') of tubing provided
Loop Impedance	(4-20mA models) >500Ω

Ordering Information

AutoSmart 5 - - -

Power:

12 = 12VDC

24 = 24VDC

Output:

005 = 0-5V

010 = 0-10V

420 = 4-20mA

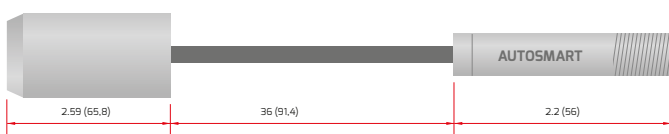
Temperature range:

70 = -35 to 70°C (-31 to 158°F)

100 = 0 to 100°C (32 to 212°F)

250 = 0 to 250°C (32 to 482°F)

Dimensions



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