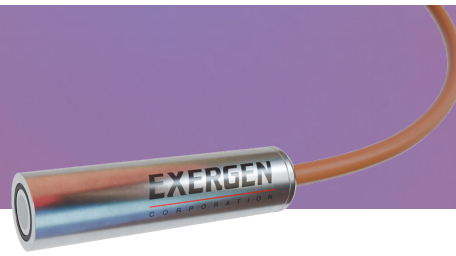


Datasheet

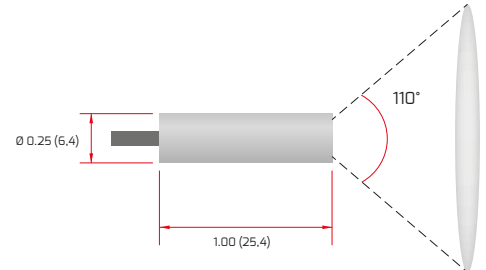
Autosmart M



Product Overview

The AutoSmart M 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	-40 to 80°C (-40 to 185°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	110° (1:2) approximately
Minimum Spot Size	3 mm (0.1")
Spectral Response	5,0 to 20µm
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 (3ft) Unshielded, duplex insulated, type K, 24AWG, PFA jacket rated to 260°C (500°F)
Sensor Dimensions	6,3 mm (0.25") Dia. x 25,4 mm (1.0")
Weight	Sensor: 30g (1oz.) Transmitter: Approximately 50g (1.702oz.)
Housing	Sensor: Stainless steel, hermetically sealed, exceeds NEMA 4X, IP67. Transmitter: Heavy Duty SS, NEMA, IP54. Air Purge: Makrolon-9415
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)
Air Purge	See the AutoSmart MA datasheet for the Air Purge
Loop Impedance	(4-20mA models) $> 500\Omega$

Ordering Information

AutoSmart M - - -

Power:

12 = 12VDC

24 = 24VDC

Output:

005 = 0-5V

010 = 0-10V

420 = 4-20mA

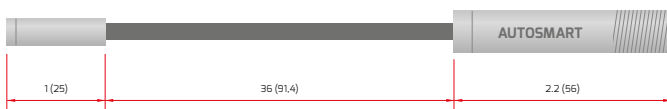
Temperature range:

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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