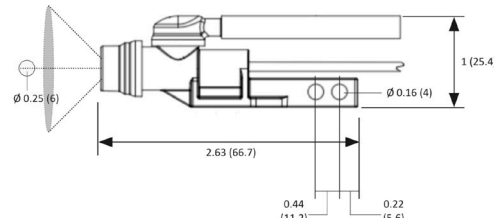


AUTOSMART MA

Product Overview

The AutoSmart MA 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

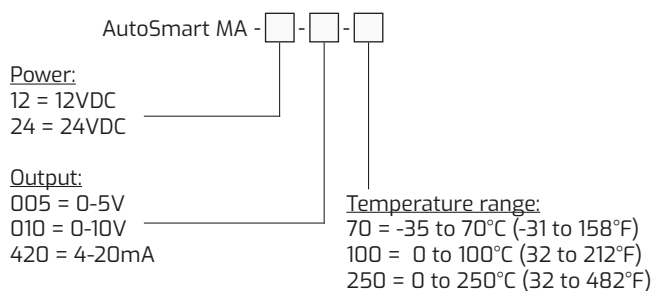


Technical Data

Sensor Range	-35 to 250°C (-31 to 482°F)
Sensor Ambient Temperature Range	-40 to 80°C (-40 to 185°F) with air off -40 to 175°C (-40 to 347°F) with air on
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) 22AWB*4C + F + Jacket black PUR cable OD=5.0mm -40°C~+105°C
Sensor cable	0,9 m (3 ft) 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.) with cable. 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)
Loop Impedance	(4-20mA models) >500Ω
Including Air Purge	Efficient in design, the Air Purge requires as little as 1.7L/min (3.5 SCFH) of air to protect a micro IRT/c. In addition to keeping a micro IRT/c clean, the airflow through the air purge can cool a micro IRT/c up to 175°C (347°F) with only 35 SCFH (17L/min) at 0.33 bar (5 psig)

Ordering Information



Dimensions

