**Datasheet**
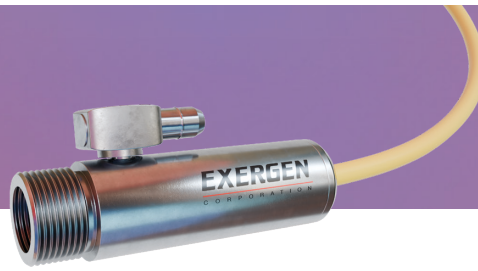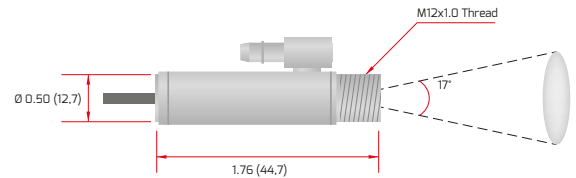
# Autosmart 3X

## Product Overview

The AutoSmart 3X features:
- Output 0-5V, 0-10V, 4-20mA (scalable)
- Non-contact
- Repeatability error 0,1% full scale
- Interchangeability ±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** | -50 to 100°C (-58 to 212°F) With air on: -50 to 120°C (-58° to 248°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** | 3:1 (17°) approximately |
| **Minimum Spot Size** | 6 mm (0.25") |
| **Spectral Response** | 5,0 to 20µm |
| **Update Time** | Approximately 250 msec. |
| **First Reading Upon Power Up** | Approximately 2 seconds |
| **Air Purge** | Built-in; designed for severe paint or ink environment |

| | |
|---|---|
| **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, reated to 200°C (392°F) continuous service |
| **Sensor Dimensions** | 44,7 x 12,7 mm (1.76" x 0.50" Dia.) |
| **Weight** | Sensor: 40g (1.4oz.) with cable. Transmitter: Approximately 50g (1.702oz.) |
| **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 (10%). Shuts off when voltage is functionally low |
| **Power Consumption** | ±10mA (without output signal device) |
| **Loop Impedance** | (4-20mA models) >500Ω |

## Ordering Information

AutoSmart 3X _ ☐ - ☐ - ☐

Power:
12 = 12VDC
24 = 24VDC
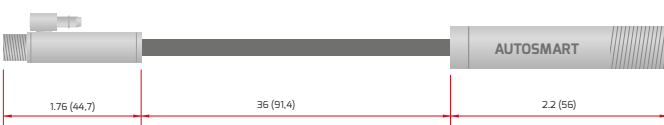
Output:
005 = 0-5V
010 = 0-10V
420 = 4-20mA

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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