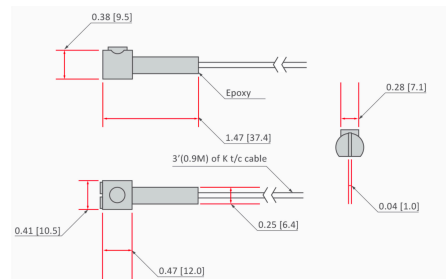
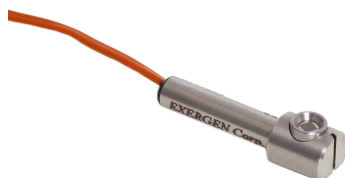


## AUTOSMART MSV

### Product Overview

The AutoSmart MSV 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 (0,2°F)
- Small size sensor



### Technical Data

<b>Sensor Range</b>	-18 to 524°C (0 to 975°F)
<b>Sensor Ambient Temperature Range</b>	-20 to 100°C (-4 to 212°F) with air off -20 to 120°C (-4 to 248°F) with air on
<b>Transmitter Ambient Temperature Range</b>	0 to 70°C (32 to 158°F)
<b>Storage Temperature Range</b>	-10 to 70°C (14 to 158°F)
<b>Field of View</b>	110° (1:2) approximately
<b>Minimum Spot Size</b>	3 mm (0.1")
<b>Spectral Response</b>	5,5 to 20µm
<b>Update Time</b>	Approximately 250 msec.
<b>First Reading Upon Power Up</b>	Approximately 2 seconds

<b>Connector cable</b>	3 m (9.8 ft) 22AWG*4C + F + Jacket black PUR cable OD=5,0 mm -40°C~+105°C
<b>Sensor cable</b>	0,9 m (3ft) Unshielded, duplex insulated, type K, 24AWG, PFA jacket rated to 260°C (500°F)
<b>Sensor Dimensions</b>	See diagram above
<b>Weight</b>	Sensor: Approximately 30g (1oz.) with cable Transmitter: Approximately 50g (1.702oz.)
<b>Housing</b>	Sensor: Stainless steel, hermetically sealed, exceeds NEMA 4X, IP67. Transmitter: Heavy Duty SS, NEMA, IP54. Air Purge: Makrolon-9415
<b>Emissivity Setting</b>	0,90
<b>Power</b>	12 or 24VDC ( $\pm 10\%$ ). Shuts off when voltage is functionally low
<b>Power Consumption</b>	$\pm 10\text{mA}$ (without output signal device)
<b>Loop Impedance</b>	(4-20mA models) >500Ω

### Ordering Information

AutoSmart MSV -	-	-	-
<b>Power:</b> 12 = 12VDC 24 = 24VDC			
<b>Output:</b> 005 = 0-5V 010 = 0-10V 420 = 4-20mA			
		<b>Temperature range:</b> 100 = 0 to 100°C (32 to 212°F) 250 = 0 to 250°C (32 to 482°F)	



### Dimensions

