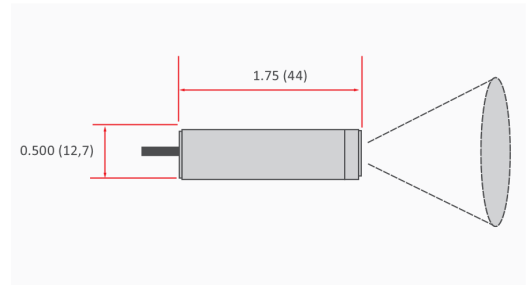


## AUTOSMART IR

### Product Overview

The AutoSmart IR 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



Dimensions are in inches (mm)

### Technical Data

Sensing Range	-31 to 932°F (-35 to 500°C)
Sensor Ambient Temperature Range	0 to 212°F (-18 to 100°C)
Transmitter Ambient Temperature Range	32 to 158°F (0 to 70°C)
Storage Temperature Range	14 to 158°F (-10 to 70°C)
Field of View	1:1 (60°) approximately
Minimum Spot Size	0.3" (8mm)
Spectral Response	5.0 to 20 $\mu$ m
Update Time	Approximately 250 msec.
First Reading Upon Power Up	Approximately 2 seconds

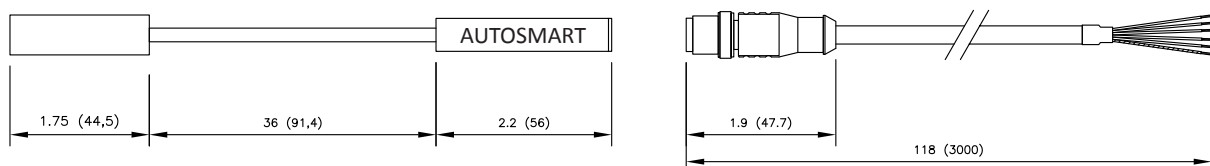
Cable	1. 9.8ft (3M) 22AWB*4C + F + Jacket black PUR cable OD=5.0mm -40°C~+105°C 2. 3ft (0,9M) Twisted shielded pair of base thermocouple material (J,K,E,T) Teflon sheathed, rated to 392°F (200°C) continuous service
Sensor Dimensions	1.75" x 0.50" Dia. (44 x 12.7mm)
Weight	Sensor: 1.4oz (40g) Transmitter: Approximately 1.702oz. (50g)
Housing	Sensor: Stainless steel, hermetically sealed, exceeds NEMA 4,4x; IP65,67, cable shield grounded to housing and electrically isolated from signal. Transmitter: Heavy Duty SS, NEMA, IP54
Emissivity Setting	0.90
Power	12 or 24VDC ( $\pm 10\%$ ). Shuts off when voltage is functionally low
Power Consumption	$\pm 10$ mA (without output signal device)
Loop Impedance	(4-20mA models) >500 $\Omega$

### Ordering Information

AutoSmart IR -	-	-	-
<b>Power:</b>			
12 = 12VDC			
24 = 24VDC			
<b>Output:</b>		<b>Temperature range:</b>	
005 = 0-5V		70 = -31-158°F (-35-70°C)	
010 = 0-10V		100 = 32-212°F (0-100°C)	
420 = 4-20mA		250 = 32-482°F (0-250°C)	



### Dimensions



### Exergen Global offices:

The Netherlands  
Pastoor Clercxstraat 26  
5465 RH Veghel  
Tel: +31 (0)413 376 599  
Fax: +31 (0)413 379 310

USA  
400 Pleasant Street  
Watertown, MA 02472  
Tel: +1 617 649 6322  
Fax: +1 617 923 9911

Specifications subject to change without notice

office@exergenglobal.com  
www.exergenglobal.com

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