

### Highly Accurate Small Infrared Non-contact Sensor

CE 0°C to 400°C

**AST L 10** is a highly accurate stationary pyrometer. This device is used for non-contact temperature measurement of non-metallic surface or painted, coated or anodized metals. The small housing dimension enable the integration of the instruments in compact production machines; the solid and robust design of the instrument guarantees reliability even in the rough industrial environments. This enables the instrument to be adapted to various measuring tasks.

### AST L 10



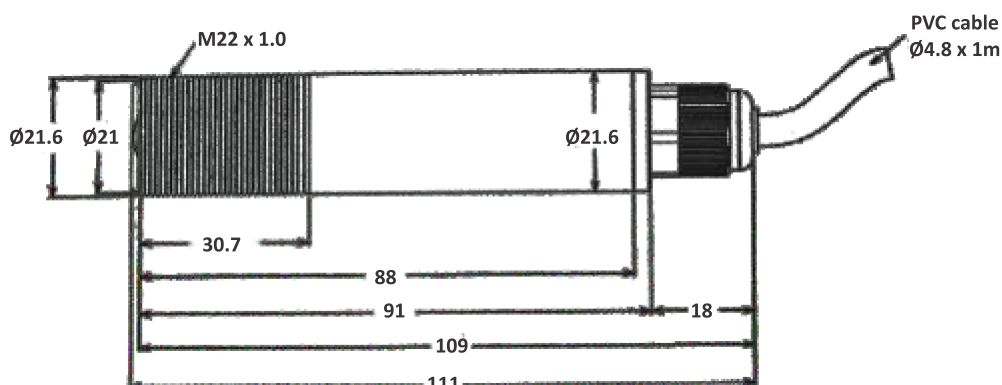
#### Features

- Small and robust infrared temperature sensor
- 2 wire installation
- Small spot size
- Fast response time
- Easy electrical and mechanical installation
- Linear current output
- IP 65 splash proof

#### Application:

- Plastic
- Textile
- Ceramic
- Liquid
- Painted metals
- Coated metals
- Anodized metals

#### Dimension

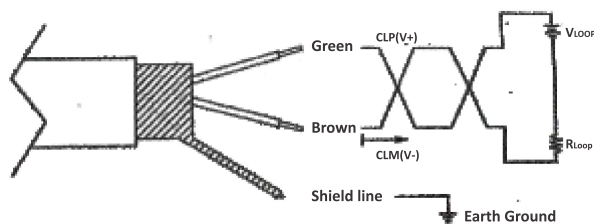


*We Measure Temperature Accurately even in extreme conditions*

Model	AST L 10
Measurement range	0°C to 400°C
Emissivity	0.95 Fixed
Storage temperature range	-30°C to 85°C
Spectral range	8 to 14 $\mu$ m
Photodetector type	Thermopile
Response time	300 msec
Accuracy & Repeatability	$\pm$ 2% of temperature reading or 2°C, whichever is greater (Warm up time : 10 min)
Distance spot size ratio	12 : 1
Analog output	4 to 20mA; linear to temperature
Power supply	12V DC to 24V DC (Isolated)
Protection glass	IP 65
Operating temperature range	0°C to 70°C
Dimensions / weight	Dia. = $\varnothing$ 22mm, Length = 91mm / Weight = 158 grams

## Wiring connection:

The following diagram and table show the proper wiring connections. Each wire is numbered with the number and relative colour. Please follow the function guide when connect the wire.



Wire No.	Wire colour	Label	Function
1	Green	CLP	Current loop plus (V +)
2	Brown	CLM	Current loop minus (V -)
3	Bare	-	Shield ground

## Accessories:



**Temperature indicator**  
(Reference no: 9000-01);  
Output : 4-20mA



**Power supply unit**  
(Reference no: 9000-02);  
Input : 110/230V AC; Output : 24V DC



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