

## AST L30

Highly Accurate Non-contact Pyrometer  
With Analog Output and Digital Interface



0.....800° C

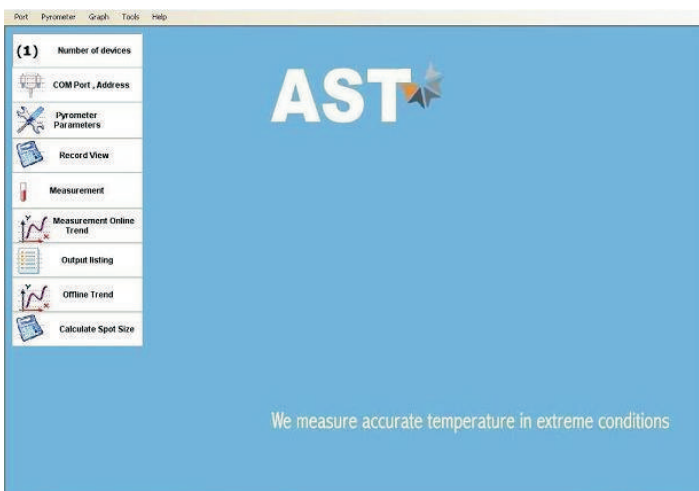
**AST L 30** model provides the advantage of non-contact temperature measurement on non-metallic surfaces & also on painted coated or anodized metals. AST L30 is designed for easy integration into standard 4 wire system. This format combines the high accuracy of digital signal processing with the simple connection. The L 30 pyrometer is used for target temperature ranging from 0°C to 800°C. The electronic assembly is protected by IP65 rugged stainless steel housing.

- ❖ **Highly Accurate due to digital linearization of the output**
- ❖ **Four wire form with analog output 4 to 20 mA or 0...20mA or 0-10 V**
- ❖ **Serial communication RS232 or Rs485**
- ❖ **Response time 60 ms**
- ❖ **Very good stability**
- ❖ **Laser Targeting**



### Application

Plastic  
Fluids  
Rubber  
Ceramic  
Wood  
Glass  
Coated metals  
Textiles



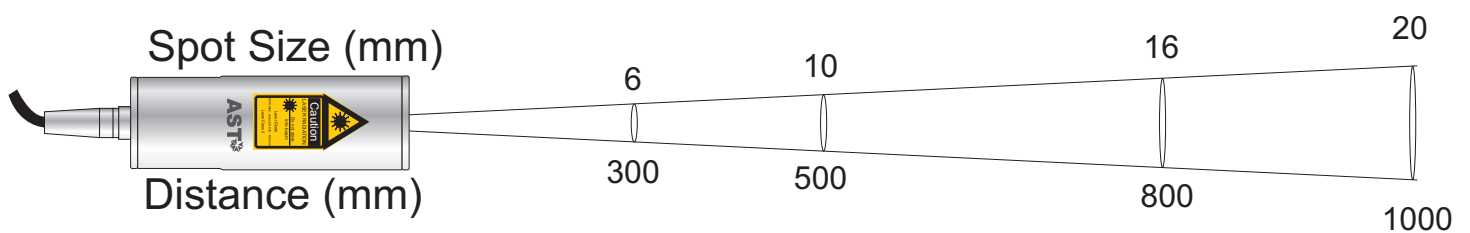
***We Measure Temperature Accurately  
even in extreme Conditions***

# TECHNICAL SPECIFICATION

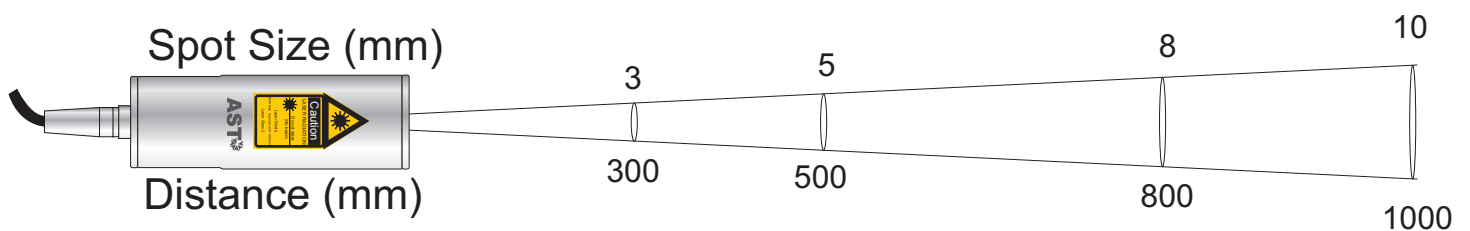
<b>Model</b>	<b>AST L 30</b>
Measured Temperatures Range	0°.....800°C Analog Output sub range adjustable
Emissivity Range	0.1.....1 adjustable
Spectral Range, $\mu\text{m}$	8.....14 $\mu\text{m}$
Photodetector Type	Thermopile
Response Time	60msec
Accuracy & Repeatability	1.5 % of temperature reading or 2°C (Temp. 30...60°C) (The instrument must be at a constant ambient temperature for a minimum of 30min)
Distance to Spot size Ratio	50:1, 100:1
Analog Output	4-20mA or 0-20mA or 0-10V user selectable
Digital Output	Serial communication : RS 232 or RS 485 Isolated
Power	24 V DC
Sighting	Laser pilot light
Operating temperature range	0 °C...+70 °C
MOC	SS 304
Isolation	Power supply and digital output and analog output are galvanically isolated against each other
Dimensions/Weight	Ø50mm; L=118mm;/0.6kg
Adjustable Parameters via software	Emissivity, Analog output, Address, Response time, Peak picker, Analog Output sub range
Readable parameters via software	Measured temperature, temperature graph, Internal temperature of pyrometer.

## OPTICAL RESOLUTION

**50:1**



**100:1**



## ACCESSORIES



Water Cooling Jacket with  
Adjustable Flange  
Reference No. 8000 - 02



Adjustable Mounting stand  
Reference No. 8000 - 03



Air purge  
Reference No. 8000 - 04



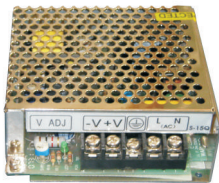
Mounting Clamp  
Reference No. 8000 - 05



Display with Parameterizer (P-120)  
Reference No. 9001 - 01



Converter, RS 485 to RS 232  
Reference No. 9000 - 03



Power supply Input 110 / 230 V AC,  
Output 24 V DC, 0.75Amp  
Reference No. 9000 - 02



Temperature Indicator with retransmission  
output 4..20mA  
Reference No. 9000 - 01

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