

Highly Accurate On-Line Infrared Non-Contact Low Temperature Pyrometers with Fiber Optics Cable for General Low Temperature Application

450°C to 1500°C

AST A4-EX-FO

AST A4-EX-FO is a Multi-wavelength pyrometer

AST A4-EX use special algorithms to accurately calculate both the actual temperature and emissivity of the surface.

AST A4-EX-FO can hold multiple data base so that single instrument can be easily switched between multiple applications.

AST A4-EX-FO offers Bluetooth communication so that it can communicate with Android smart phones or laptop for viewing the measured temperature and for adjusting the parameters / selection of data base and data logging.

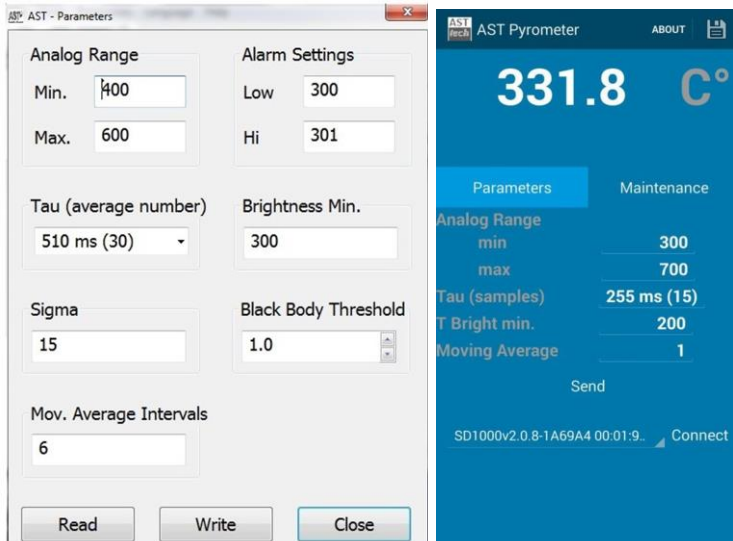


Software

A4-SW

A4-SW A Mobile

◆ Measurement Readout ◆ Parameterization ◆ Data logging



Features

- * Simple to use- No calibration required
- * High accuracy - (1%) in real site conditions
- * Capable of measuring targets with variable emissivity
- * Measures through smoke, dust, water vapor etc.
- * Temperature range: 450 to 1500°C
- * Rugged design
- * Full range of accessories
- * Wide range of built-in functions
- * A4-SW Application software for PC
- * A4-SW A Mobile Application software for Android via Bluetooth

Standard Scope of Supply

- * Sensor, FOC and Cable optical Head
- * Digital Interface RS-232
- * Calibration certificate, PC Software & Operation Manual

Optional

- * Mechanical and Electrical Accessories
- * Analog Output: 0...20mA or 4...20mA or 0-10V
- * Extra Cable Lengths
- * RS422, USB, Bluetooth

Applications

- * General Low Temperature Measurement

Technical Specifications

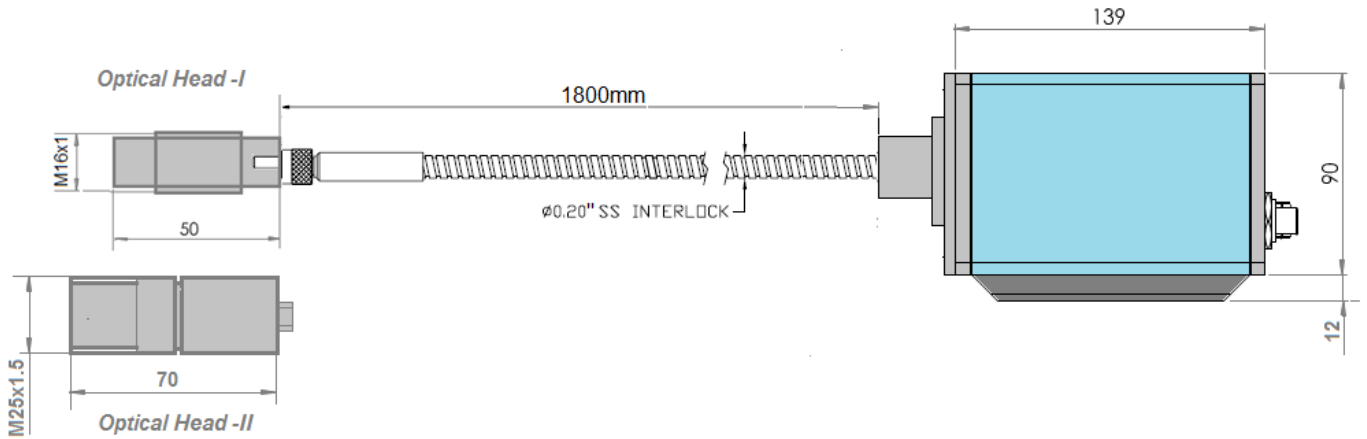
Model	A4-EX-FO	Specification
Emissivity		0.1 -1.0
Response Time		0.1 - 1.0 sec
Default Value		0.5 sec
Accuracy and Repeatability		±1%
Spectral range, mkm		2.0 – 2.4mkm 2.0 – 2.5 mkm
Power Supply		24VDC
Analog Output		4-20 mA, 0-20 mA, 0-10V,
Digital Output		RS-232 or RS-422 USB, Bluetooth
Digital Display		P110
Sensor overall dimensions		215 x 110 x 105.0 mm
Sensor weight		~2.0Kg
Operating temperature range		Sensor: 0°C +50°C / Optical Head +FOC end: 0°C +200°C
Storage temperature range		-20°C +70°C
Humidity		Unlimited for the sensor-head

Spot Sizes

Optical Head	Working Distance (mm)	Spot size, mm
 <p>Optical Head - II</p>	110	1.5
	140	1.8
	200	3.0
	600	7.5

We measure accurate temperature in extreme conditions

Pyrometer Drawing



Accessories

<p>Air purge unit for optical head II Reference No. 8200 - 01</p>	<p>Air purge unit for optical head-I Reference No. 8200 - 02</p>	<p>Adjustable Mounting for optical head II Reference No. 8200 - 03</p>	<p>Adjustable mounting for optical head-I Reference No. 8200 - 04</p>
			
<p>Single Channel Display P110</p>	<p>Power supply Input 110/230V AC Reference No. 9000 - 02 Output 24 V DC, 0.75Amp</p>	<p>Temperature Indicator with retransmission output 4...20mA Reference No. 9000 - 01</p>	<p>Converter RS-485 ↔ RS-232 Reference No. 9000-03</p>
			

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