

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 FO 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 ◆ Datalogging

COMEXALE Pyrometer

IO Port: Com1

Temperature: 532 °C

Emissivity: 0.12

Case Temperature: 42

Pickler Mode: Off

Logging: On/Off

Parameters Maintenance Chart Exit

COMEXALE Pyrometer

331.8 C°

Parameters Maintenance

Analog Range min 300 max 700

Tau (samples) 255 ms (15)

T Bright min. 200

Moving Average 1

Send

SD1000v2.0.8-1A69A... Connect

COMEXALE Parameters

Analog Range Min. 400 Max. 600

Alarm Settings Low 300 Hi 301

Tau (average number) 510 ms (30)

Brightness Min. 300

Sigma 15

Black Body Threshold 1.0

Mov. Average Intervals 6

Read Write Close

COMEXALE Pyrometer

331.8 C°

Parameters Maintenance

Analog Range min 300 max 700

Tau (samples) 255 ms (15)

T Bright min. 200

Moving Average 1

Send

SD1000v2.0.8-1A69A4 00:01:9... Connect

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-SWA 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

We measure accurate temperature in extreme conditions

Technical Specifications

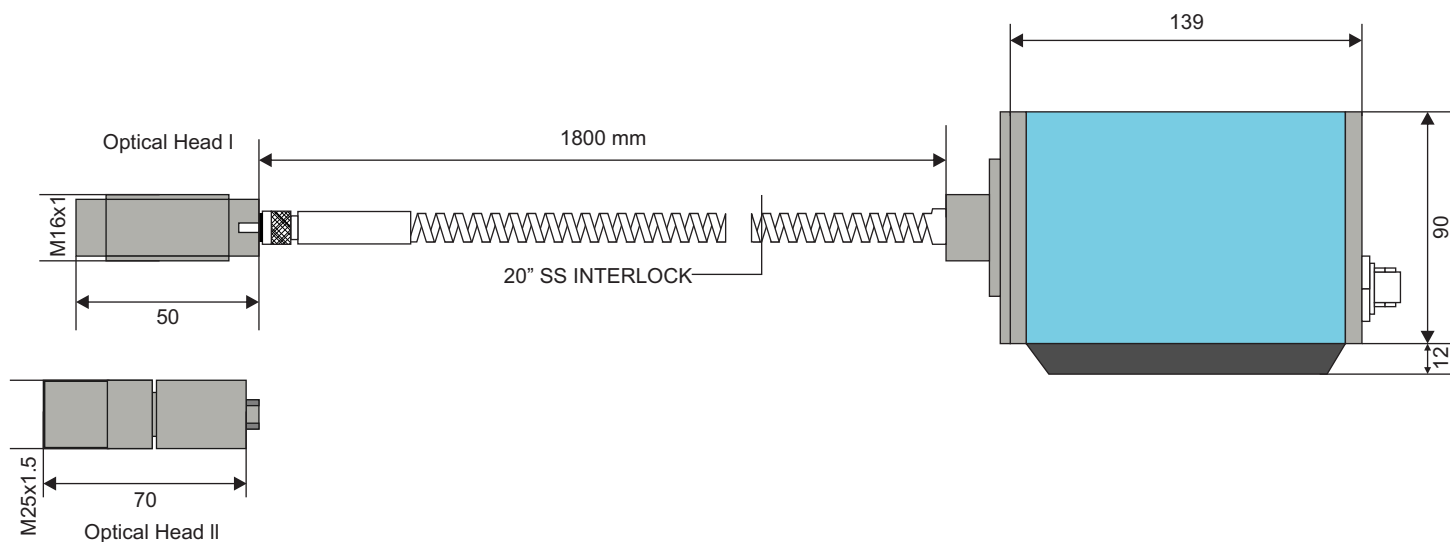
Model A4-EX FO	Specification
Emissivity	0.1 -1.0
Response Time	0.1 - 1.0 sec
Default Value	0.5 sec
Accuracy and Repeatability	±1%
Spectral range, mkm	2.0-2.4mkm/2.0-2.5mkm
Power Supply	24VDC
Analog Output	4-20 mA, 0-20 mA, 0-10V, K Type T/C
Digital Output	RS-232, RS-422, USB, Bluetooth.
Digital Display	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






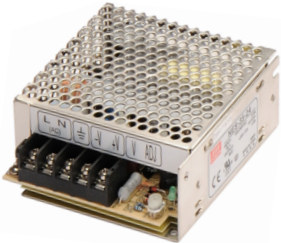

Optical Head	Working Distances (mm)	Spot Sizes(mm)
 <p>Optical Head - II</p>	110	1.5
	140	1.8
	200	3.0
	600	7.5

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>Monochrome Digital Display (P-110)</p>	<p>Power Supply Unit (Reference no: 9000-02)</p>	<p>Temperature Indicator with retransmission output 4..20mA Reference No. 9000 - 01</p>	
			

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