Aries 2.0

Compact Head
Process Infrared Thermometer

Infrared Thermometers and Thermal image cameras.

We make it possible !

InfRaMAX©
IR Temperature measurements
we make it possible !

Aries 2.0

Compact Head
Process Infrared Thermometer

- *Temperature range up to 500°C*
- *General purpose low temperature applications 8-14 µm*
- *Rugged for industrial use*
- *Optics 15:1 GP, 20:1 GP X*
- *Emissivity 0,95 Fixed (adjustable on GP X with lcd and keyboard)*
- *Compact M20 - 35x35mm (GP)*

InfRaMAX Libra is an infrared non contact thermometer in a compact head and rugged case for Industrial use (metal body). The output is available as 4-20mA 2-wires or 4-wires. It use internal microcontroller to compensate for ambient temperature. It is calibrated digitally through internal serial interface.Calibration is made digitally. The low cost design allow to be integrated in any application on automation. Advanced germanium (glass) optics grant high stability.

Model	Code	Range	Optics	D:S	Output
GP		0 to 500°C	20mm@300mm	15:1	4-20mA 2wire
GP	X	0 to 500°C	50mm@1000mm	20:1	4-20mA 4wire

GP Accuracy ±1% or ±2°C Repeatability ±(0,5%+1,0°C) Response time : 300mS

Specifications

Output :	GP: 4-20mA 2-wires (500ohm)
	GP X : 4-20mA 4-wires
Power supply :	24 V DC ±20%
Emissivity :	0,95 fixed
	or on request at order
	(programmable on GP X
	with Lcd and keyboard)
DSP Digital Signal Processor:	GP X : Average and PickPicker
Working environment :	0 to 60°C
	10 to 95% non condensing
	-20 to 80°C Storage
Metal case :	Aluminum
Dimensions :	GP: 35x38mm (M20)
	GP X: 59,5 x 63,5 (M20)
Cable length :	1mt (standard) or 8mt
	custom length available on request

Ordering Code

Producs :	Aries
Model : :	GP, GP X
Output :	MA
Optics:	none (specify only if different from SF)
Cable :	none (1mt standard) ,C8
	custom length available on request

Aries GP

Aries GP X
Lcd, keyboard and connector

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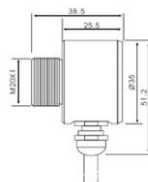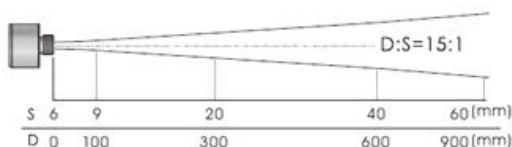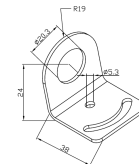### IR Temperature measurements
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Compact Head
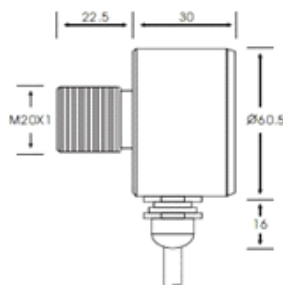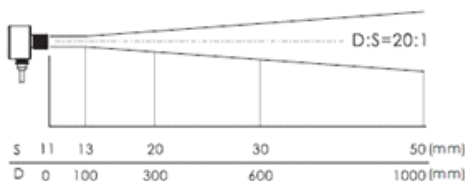# Process Infrared Thermometer

Aries 2.0 GP Optics S

D:S=15:1

| S | 6 | 9 | 20 | 40 | 60 (mm) |
| D | 0 | 100 | 300 | 600 | 900 (mm) |

Mounting bracket

Aries 2.0 GP X Optics S

D:S=20:1

| S | 11 | 13 | 20 | 30 | 50 (mm) |
| D | 0 | 100 | 300 | 600 | 1000 (mm) |

Mounting bracket 2 axis

Electrical Wiring

Libra 2.0
4-20mA

Red	LOOP +
Black	LOOP -
Transparent	D

GP X MA
4-20mA

Red	24V DC +
Black	24VDC -
White	4-20mA Signal output +
Green	4-20mA Signal output-
Transparent	D

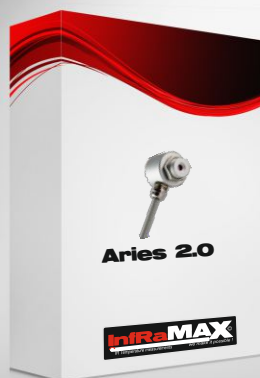Digital interface Wiring :
- -GP X Blue (gnd) ------------- USB Black (7)
- -GP X Grey (Rx)-------------USB Green (3)
- -GP X Orange (Tx)-------------USB White (4)
     Yellow

The power supply +-24V DC has to be connected to IR thermometer (Red/Black) to work with USB

USB Kit and Windows Software

The GP X models are equipped with extra 3 wires for digital communication interface. The USB kit allows to connect to a computer. The IRLOG software can setup the range of mA output, set emissivity, set average and pick picker. It can also work as online datalogger with graph view. Data can be save in excel format.

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Libra 1.0

Aries 2.0

Taurus 3.0

Scorpio 4.0

Scorpio 4.F

Gemini P 4.0

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