

EAIR-3816 SERIES

EAIR-3816-310500 (DS 3:1 0~500 deg C Analog output 4-20mA)

Product Features

Digital/Analog signal output

- Repeatability: $\pm 1^{\circ}\text{C}$
 - Spectrum response: 8-14 μm
 - Accuracy: greater of $\pm 2^{\circ}\text{C}$ or 2% of reading
 - Resolution: 0.1 $^{\circ}\text{C}$
 - Response Time: 250-500ms
 - Temperature calibrated and compensated
 - Factory calibrated with temperature compensation
- Within full scale
- Measurable object distance: 0~10 meters
 - Wide operating temperature range
 - Easy to install and maintain with low cost

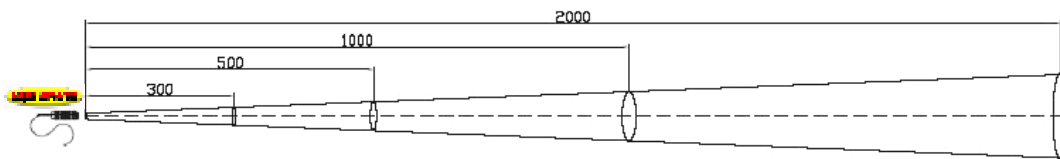


Model	EAIR-3816-310500
Resolution	Typical 0.1 $^{\circ}\text{C}$
Precision	Greater of $\pm 2^{\circ}\text{C}$ or 2% of reading
Repeatability	$\pm 1^{\circ}\text{C}$ of full temperature range
Spectrum Response	8 ~ 14 μm
Distance: Spot Ratio	3:1
Operating Temperature	0 ~ 50 $^{\circ}\text{C}$
Temperature Range	0 – 500 deg C
Storage Temperature	-20 ~ 85 $^{\circ}\text{C}$
Response Time	250~500ms
Relative Humidity	10-90%,
Emissivity	Default 0.95
Object Distance	0~10m
Housing	IP65
Power Supply	18~30VDC
Analog Output	4~20mA,



Standard Cable Wiring

Red	Power Supply +	Power Supply +
Black	Power Supply -	Power Supply -
YELLOW	Signal Input	Signal +
Green	Signal Output	Signal -
Bare cable	Shield Ground	Shield Ground



D-Distance: direct distance between the sensor and the object

S-Spot: diameter of the area on the object that the sensor could measure

If the target is smaller than the spot size, the output data is the average value of the target and background covered by the sensor. Therefore, before instalment, the user should make sure the target is greater than or at least equal to the spot size so as to adjust the position of the sensor.

