

Economy Stand Alone IR Pyrometers

MOXIE Series

Moxie series IR pyrometers are designed with special integrated circuit, housed in a rugged metal housing, to suit various temperature measurement applications in general process industries including Power, Metallurgy. Available with optional accessories like Digital display, Air purging, Air/ Water cooling jacket, Data acquisition modules, communication software etc.

Features

- Advanced digital design
- Various analog & digital signal outputs
- Accuracy: $\pm 2^{\circ}\text{C}$ or 1%
- Repeatability: $\pm 1^{\circ}\text{C}$
- Spectral Response: 8-14 μm
- Resolution: 0.1°C
- Response Time: $\leq 500\text{ms}$
- Temperature compensation within full range
- Wide range of operation temperature
- Economical, Easy to install & maintain



*Cable Length: Supplied with 2 meters shielded cable as standard.
Extra cable length if required, to be specified before ordering.*

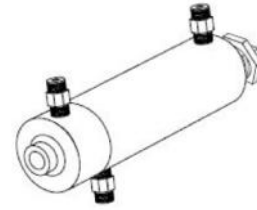
Technical Data :

Range	0-300°, 0-500°C, -20-300°C, 0-800°C (4 models to choose)
Resolution	0.1°C
Accuracy	$\pm 2^{\circ}\text{C}$ or $\pm 1\%$, whichever is greater
Repeatability	$\pm 1.0^{\circ}\text{C}$
Spectral Response	8 to 14 μm
Distance to Spot Ratio (D:S)	3:1, 5:1, 8:1, 10:1, 12:1 (5 ranges to choose)
Response time	100-500ms, default 300ms
Emissivity	Default 0.95 (Adjustable)
Spot diameter (Min.)	$\Phi 6\text{mm}$
Measuring Distance (Min.)	10 mm
Analog output	4-20mA or 0-5VDC or 10mV/°C
Digital outputs	RS485 or RS232
Power Supply	12VDC or 24VDC or 18-30VDC
Size	19 Φ x97mm
Weight	200g
Operating Temperature Range	0 to 70°C (without water cooling jacket) 0 - 150 °C (with water cooling jacket)
Storage Temperature Range	-20-85°C
Relative Humidity	10-90%, no condensation
Environment Protection	IP65

Optional Accessories :

Water Cooling Jacket – Model : MXW-1

MXW-1 Water cooling jacket is designed to suit MOXIE series IR pyrometers, to withstand ambient temperature up to 150 °C. It is recommended to use MXA-1, if the ambient temperature of the installation location is above 50 °C, to ensure stable and high accurate output.



Water Cooling Jacket (with Air purge) – Model : MXW-2

MXW-2 is also equipped with an Air Purging Device, to prevent deposition of dust or vapor or moisture around lens and to ensure stable and high accurate output.

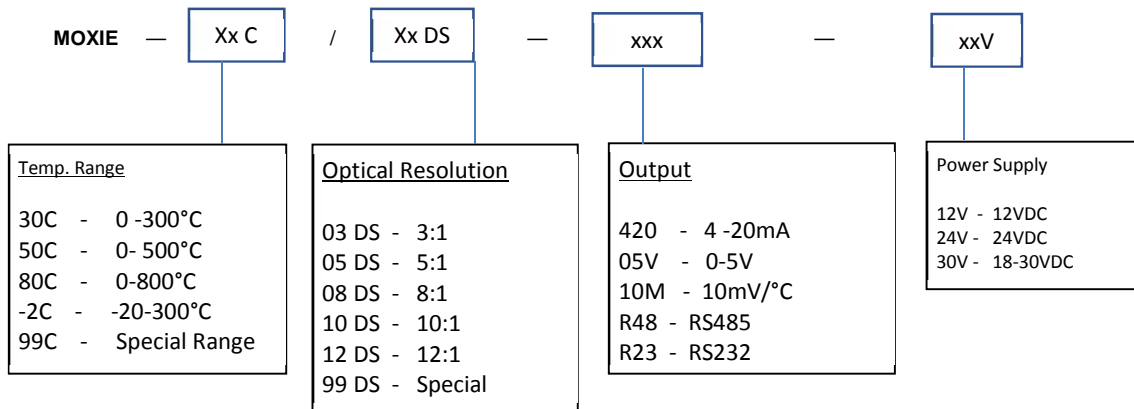


**Mounting Bracket
Model : MXB-1**

MXB-1 is L-shaped mounting bracket to firmly fix MOXIE series IR pyrometers
- Easy to install and adjust.



Model Identification /Ordering Chart



Manufactured by

NAGMAN INSTRUMENTS AND ELECTRONICS PRIVATE LIMITED

AN ISO 9001:2015 CERTIFIED COMPANY

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Specifications subject to change owing to continuous development. Contact us for latest Datasheet.



May 2022