

Nagman®

IR Pyrometers

Nagman Instruments And Electronics Private Limited, an ISO 9001:2015 Certified Instrumentation Company (since 1972) has been serving Industries in India & Worldwide. Nagman are now offering Complete & Comprehensive range of IR Pyrometers, covering almost all Applications in Process Industries. Nagman has 35+ years of experience in supplying IR Pyrometers (100s of Installations in all process industries) and offering excellent after sales service and periodic recalibration.

METTLE Series

Intelligent High-Performance IR Pyrometers

- **Two color Ratio Pyrometers: Various Models to cover Temperature ranges from 250°C ~ 2600°C**
- **Single color Pyrometers: Various Models to cover Temperature ranges from 150°C ~ 2500°C**

- Accuracy: 0.5%, Resolution: 0.1°C; Adjustable Response time: 5ms ~ 99.99s
- Adjustable focus lens: standard focal length from 0.35m to infinity, near focal length from 0.2m to 0.5m
- Options to choose either Laminated Silicon or InGaAs detector (in both two-color and single-color versions)
- High brightness LED light source or visible green eyepiece aiming, clearly display the location and size of measured target.
- Two color pyrometers have both two-color and one-color measurement function
- Lens dirty detection function
- Industrial grade OLED screen as display interface
- 2 independent analog output, 2 alarm output, 1channel level output and 1 channel RS485 communication interface
- Supports bus cascade connection of up to 26 pyrometers and realize network control through PC (in selected models)
- Water Cooling and Air Purge Jacket (optional)



ROBUST Series

Sturdy & Compact Single color narrow band IR Pyrometers

- **Si (silicone photocell) detectors : Various Models to cover Temperature ranges from 600°C ~ 2500°C**
- **InGaAs detectors : Various Models to cover Temperature ranges from 150°C ~ 2500°C**

- Accuracy : up to 0.5%, Resolution: 0.1°C , Response time: 5ms ~ 99.99s
- Manual adjustable focus
- Equipped with full range temperature compensation to avoid the influence of ambient
- Industrial OLED screen as display interface
- Programmable 4 types of analog output options, 1 channel alarm output, 1 channel level output 1 channel RS485 communication interface
- Support bus cascade connection of up to 26 pyrometers, and realize network control through PC (in selected models)
- Built-in visible high brightness green light or eyepiece aiming (on select models)



FIBER Series

Fiber Optic Two Color / Single color IR Pyrometers

➤ **Two color / Single color Fiber optic IR Pyrometers: Various Models to cover Temperature ranges from 600°C ~ 2500°C**

- Consists of lens, fiber optics and processing components
- Manual adjustable focal lens, achromatic lens combination
- Suits for applications in harsh environment as moisture, dust, target size change, partial blockage and emissivity change
- Accuracy :0.5%, Resolution :0.1°C ,Response time 5ms ~ 99.99s adjustable
- Laser aiming to clearly show the position and size of measured target
- Both two-color and one-color temperature measurement functions
- Industrial-grade OLED screen is used as the display interface
- interfaces: 2 independent analog output, 2 alarm output, 1 level output and RS485 communication interface
- Anti-interference design such as software and hardware improves system stability
- Supports up to 26 pyrometers in bus cascade, and realizes networked control via PC



MOXIE Series

Economy stand-alone Two Wire / Four Wire IR Pyrometers

➤ **Metal housing, optical component and special integrated circuit stand-alone General purpose 8-14µm Pyrometers. Various models to cover ranges from 0 ~ 800°C**

- Advanced digital design & Optical structure
- Various analog & digital signal output
- Spectral response: 8-14µm
- Accuracy:±2°C or 1% whichever is higher
- Resolution: 0.1 °C
- Response time: ≤500ms
- Factory calibration with temperature compensation within full range
- Wide range of operation temperature
- Easy to install & maintain, low cost



METTLE, ROBUST, FIBER Series IR pyrometers are specially designed to suit almost all process applications in metallurgy, heat treatment, chemical, electric power, cement, glass, refractory, material production and other industries where temperature measurement is very critical.



MOXIE Series IR pyrometers are best suited for general process applications in Paper, Plastics, Food, Pharma and Textiles Industries.



All IR pyrometers are available with optional Air purge and Water cooling jacket, suitable for general applications and harsh working conditions (dust, higher ambient temperature etc.).

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.

