



M220 S™



Spyrometer® Dual Imaging IR Pyrometer Processor

Maximize combustion process efficiency with the M220 S Spyrometer Processor, allowing real-time video and temperature monitoring, multi-spectral infrared temperature measurements, and up to 32 temperature measurement zones per camera, all presented through an intuitive graphical user interface.

Key benefits include efficient resource use, lower hardware costs, and compatibility with M550 Series Spyrometers. The processor provides various output options, including Ethernet, ModBus, and OPC, and is housed in a compact 2U form factor.

Each camera supports up to 32 overlaid temperature measurement zones, enabling users to select and lock critical zones for direct control, while other zones remain available for setup and monitoring. All zones are fully adjustable for size and measurement method, providing flexibility without compromising control.

Mirion's unique combination of simultaneous multi-spectral infrared temperature measurements, overlaid on a visible image, provides the greatest level of feedback and performance of applications in a single view.

FEATURES

- ✓ Continuous, clear real-time video
- ✓ Intuitive graphical user interface
- ✓ Temperature signalling, over a number of different protocols (i.e. Ethernet, ModBus, OPC), available
- ✓ 32 moveable and sizeable temperature zones (TMZ) programmable for minimum, maximum or average temperature measurement
- ✓ 16 channels 4-20mA output with flexible TMZ assignment and channel-by-channel calibration
- ✓ On-screen trending with flexible TMZ assignment
- ✓ Customizable presentation with instrumentation quality viewing
- ✓ Supports up to two Spyrometer cameras
- ✓ Remote control of Spyrometer settings
- ✓ Simplified cable connection between cameras and processor

BENEFITS

- Integrated video processing/temperature measurement package with true multi-spectral infrared analysis
- Dual Spyrometer support in a 2U form factor for lower hardware costs and control of room space requirements
- Full compatibility with M550 Series Spyrometer cameras
- Embedded Microsoft operating system
- Intuitive graphical user interface

SPECIFICATIONS AND PERFORMANCE

- Power: 100 - 240 V ac; 50/60 Hz
- Power Consumption: 400 W max
- Dimensions: 88.9 x 482.6 x 450.9 mm (H x W x D) (excludes mounting lugs/handles)
- Installation Clearances: 76 mm (3.0 in.) at rear
- Operating Temperature: 0 - 50 °C (32 - 122 °F)
- Storage Temperature: 0 - 60 °C (32 - 140 °F)
- Relative Humidity: 0 - 80% non condensing
- Video Signal Input: 4 x RJ45 with multiplexed pyrometer data, compatible with M550 Series Spyrometer
- Interface Output Options: Ethernet, OPC, ModBus, DCS
- Maximum Altitude: 2000 m (6561 ft)
- Video Output Channels: 2 x HDMI (to PC monitor) or any combination
- Maximum resolution: 2 x 4K (3840x2160)
- Analog Outputs: 4 - 20 mA; 16 programmable channels
- Compatibility: M550 Series Spyrometer
- Ancillary Peripherals: 1 mouse; 1 standard keyboard
- Additional Interfaces: 2 network ports; 4 USB ports
- Weight: 11 kg (24.2 lb)
- Hardware: Supplied with 19 in. rack mounts, handles and feet for desktop mount



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