

MZA 6010

The MZA 6010 is a Multi-Gas Infrared (IR) analyzer used to analyze gases in multiple zones of a furnace or furnaces. It measures Carbon Monoxide (CO), Carbon Dioxide (CO₂) and Natural Gas (CH₄) typically found in an endothermic atmosphere. The measurement of these gases, combined with furnace temperature information, allows the MZA 6010 to calculate the percent Carbon (%C) of the measured gas. A Hydrogen (H₂) sensor can also be incorporated as an option to provide a more complete picture of the measured gas. Communications and zones can be configured based on a plant's individual needs.



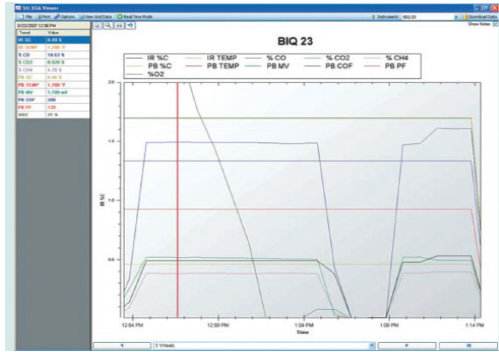
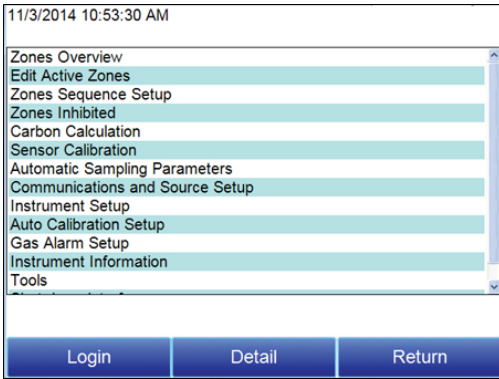
- Analysis of multiple gases
 - CO
 - CO₂
 - CH₄
 - %C Calculation
 - Optional H₂ sensor
- Analysis of multiple furnace zones (up to 8)
- Touch screen interface
- Durable sampling system with external pump
- Easy mounting of enclosures
- Multiple atmosphere and temperature sources can be set up
- Adjustable calculation factors based on atmosphere properties
- Industry leading technical support
- Gas sensors engineered and manufactured by SSI



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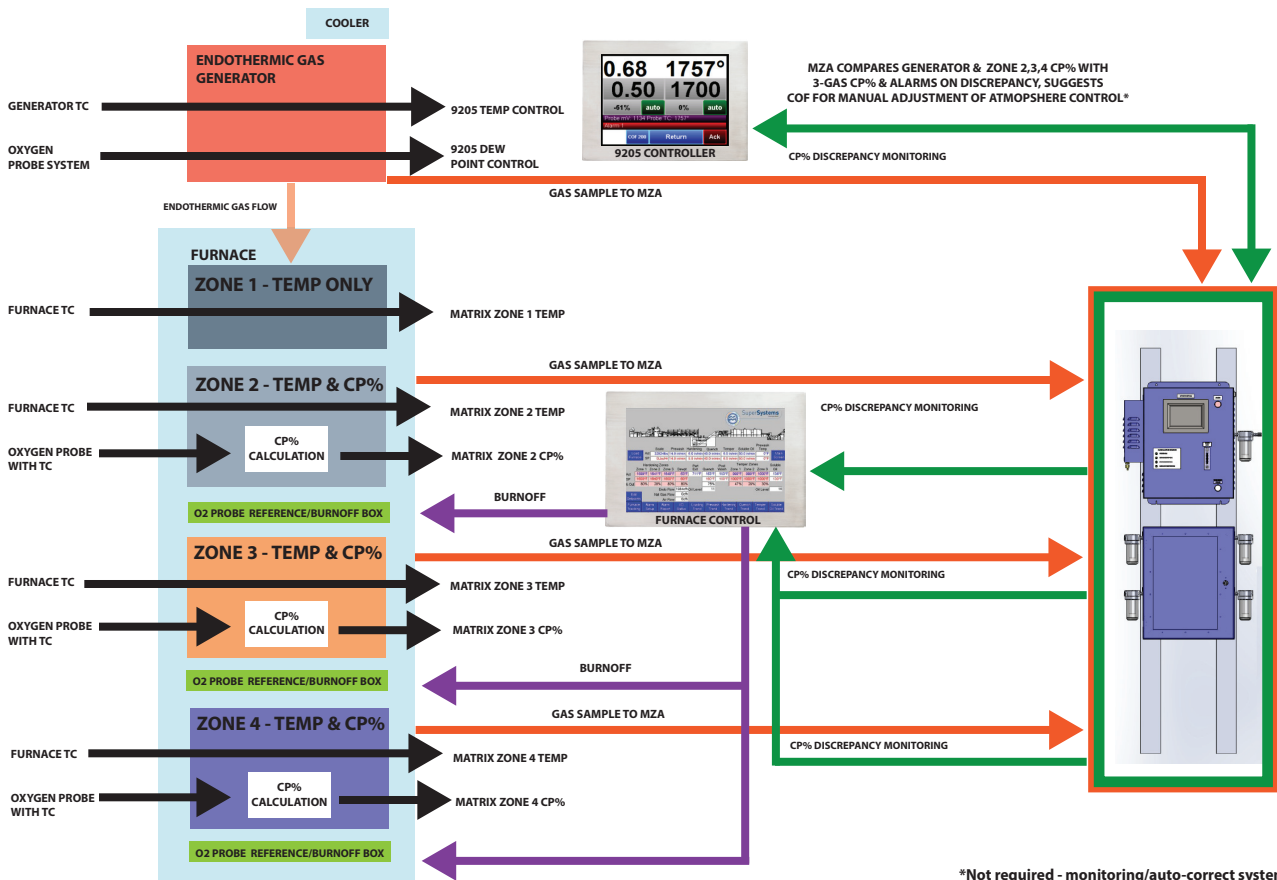


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Specifications

- Number of zones supported: 8
- Gas ranges
 - CO (range 0.00 to 30.00%)
 - CO₂ (range 0.000 to 2.000%)
 - CH₄ (range 0.00 to 15.00%)
 - Optional H₂ measurement with SSi H₂ sensor (range 0.00 to 100%)
- Measurement method for CO, CO₂, CH₄: non-dispersive infrared (NDIR)
- Measurement method for H₂ (with optional H₂ cell): thermal conductivity
- Accuracy and repeatability: +/- 1% of full scale
- On-board calibration
- Communications: Ethernet, USB(A), USB(B), RS485 Modbus
- Data storage: Continuous automatic data logging
- Operating Temperature: 32°F to 122°F (0°C to 50°C)
- External Dimensions: Approx. 16"H X 20"L X 8"D per enclosure



*Not required - monitoring/auto-correct system operates independently of primary carbon potential system



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EXAMPLE SCHEMATIC INCLUDING MZA 6010

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