

Multi-Zone Ethylene Monitor

Precision Monitoring for Ethylene



MONITORS CRITICAL FRUIT AND VEGETABLE RIPENING

MSA Bacharach's Multi-Zone Ethylene gas monitoring solution has been developed to support the food processing industry, with specific attention to food ripening. This innovative addition to the Bacharach portfolio is ideal for monitoring process Ethylene concentrations in fruit and vegetable ripening rooms where humidity and temperature could fluctuate.

- Proprietary infrared (NDIR) sensor accurately detects the presence of ethylene down to 10 ppm Minimum Detection Level (MDL)
- Sensor is not prone to false alarms caused by cross-interference from other gases or sudden changes in temperature or humidity
- Backlit display shows real-time concentration readings and makes configuration and self-diagnostics intuitive
- Capable of monitoring up-to 16 zones
- Two optional analog outputs (4-20mA) and Modbus communications (slave) for integration with third-party BMS / BAS control systems
- Three user-configurable relays (leak, spill and evacuate) may be used to activate external beacons / sounders, ventilation or other countermeasures
- One dedicated fault relay

Specifications

Sensor Channels	4 to 16
Sensitivity / Minimum Detection Level	Ethylene (C ₂ H ₄) / R-1150: 10 ppm
Enclosure Rating	General Purpose
Analog Communications	4 to 20 mA (optional)
Digital Communications	Modbus RTU via RS 485
Buzzer	80 dB @ 10 cm
Sampling Distance	0-1200 ft. (0-365 m)
Product Dimensions (L x W x H)	13.7" x 12.3" x 5" (350 x 315 x 130 mm)
Product Weight	15 lbs. (6.8 kg)
Sensor Type	NDIR
Power	100-240V AC, 50 / 60 Hz Input
Expected Sensor Service Life	10 Years
Supports/Enables Compliance with Industry Codes & Regulations	CARB RMP, F-Gas Regulation
Product Performance Approvals	CE, UL, CSA, EN 61010-1, EN 61326
Warranty	2 Years

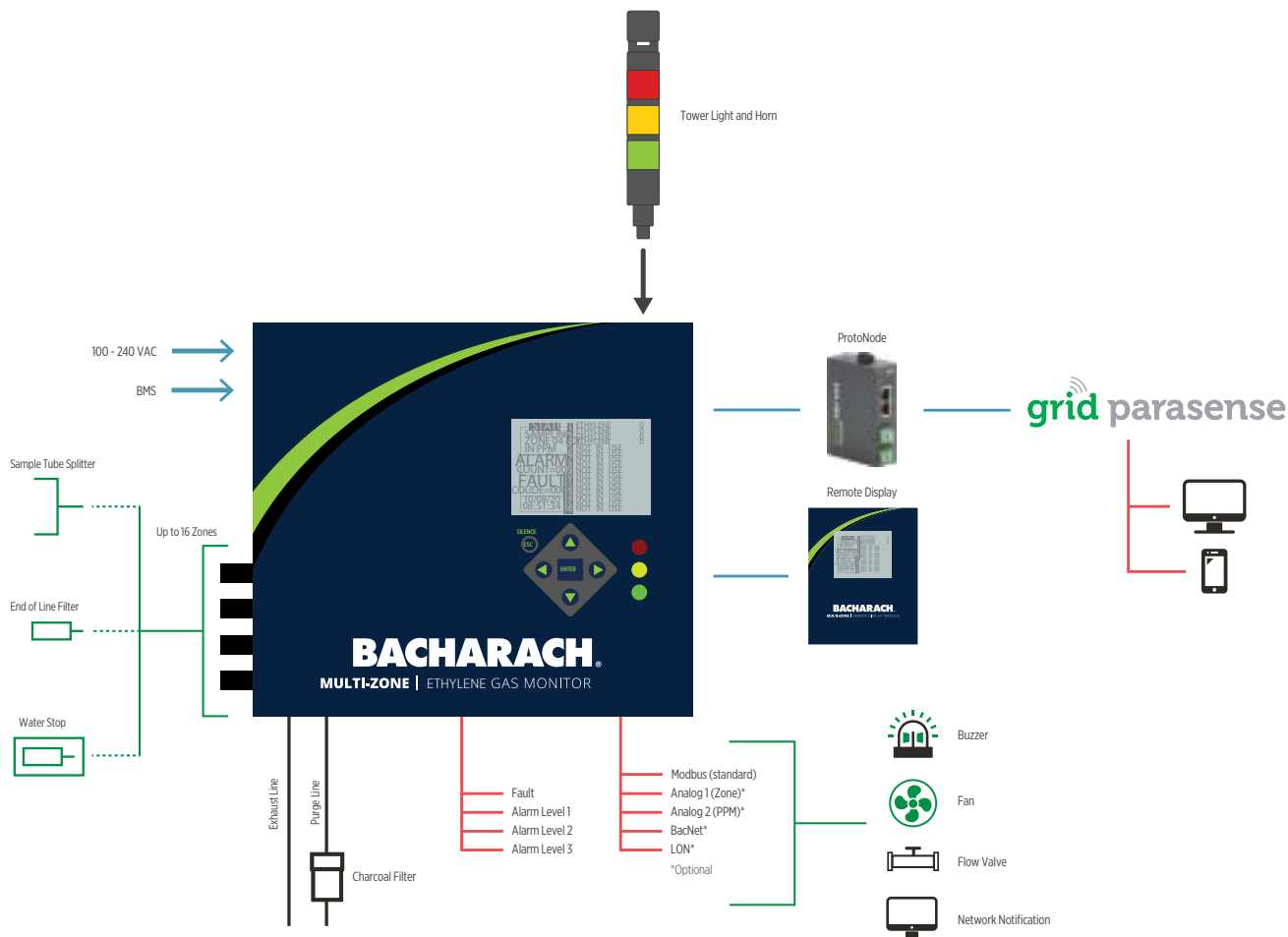


More Information:

Scan the QR code to learn more about the Multi-Zone Ethylene Monitor.

SAFEGUARDING PEOPLE, PLACES & THE PLANET.

Multi-Zone Ethylene Monitor Configuration



Multi-Zone Ethylene Monitor Part Numbers

GAS	ZONES	PART NUMBER (STANDARD UNIT)
R-1150 (ETHYLENE, C ₂ H ₄)	4	H3015-6301
R-1150 (ETHYLENE, C ₂ H ₄)	8	H3015-6302
R-1150 (ETHYLENE, C ₂ H ₄)	12	H3015-6303
R-1150 (ETHYLENE, C ₂ H ₄)	16	H3015-6304
HGM-RD, REMOTE DISPLAY MODULE	N / A	H3015-5138

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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