

Multi-Zone Ethylene Monitor

PRECISION MONITORING FOR ETHYLENE



Proprietary infrared (NDIR) sensor accurately detects the presence of ethylene down to 10 ppm Minimum Detection Level (MDL)

Backlit display shows real-time concentration readings

Capable of monitoring up to 16 zones

Easy to use interface with LED traffic light notifications

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 (C2H4) / R-1150: 10 ppm 10 - 10,000 ppm
Enclosure Rating	General Purpose
Analog Communications	4 to 20 mA (optional)
Digital Communications	Modbus RTU via RS 485
Buzzer	80 dB @ 10 cm
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	120-240 VAC, 50/60 Hz Input
Expected Sensor Service Life	10 Years
Approvals	CE, UL, CSA, EN 61010-1, EN 61326, EN 14624
Warranty	2 Years



More Information:

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