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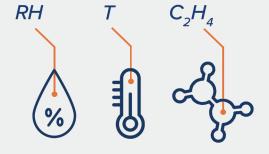


(360) 833-8835

PRECISION ATMOSPHERE MONITOR ACCUSTORE



ACCUSTORE delivers precise atmospheric monitoring for fruit storage, ripening & retail environments, ensuring optimal quality & freshness.



ACCUSTORE enables packing, shipping, distribution and retail facilities to monitor C2H4 (Ethylene) in produce storage. With highly accurate trace-sensing capability, ACCUSTORE is transforming the postharvest industry by improving consistency, repeatability and dramatically minimizing the risk of spoilage.

DEVICE SPECIFICATIONS

CONTROL UNIT

Enclosure Powder coated aluminum

Weight 0.97kg

Dimensions 203mm x 123mm x 56mm

Communication Modbus RTU (RS485) & TCPIP (Ethernet),

User Interface 7" Touch Display, remote web browser,

desktop app, MQTT API

Operating environment -

Measuring rate Configurable

Flow rate -

Data storage 8GB

Power input 5VDC

Alarm Sound and email alarms

Integration Configurable I/O for any compatible

sensors/actuator via Modbus, configurable control algorithm (PID, ON/OFF, Open-Loop)

Programming Control-event scheduler

SENSOR UNIT

Powder coated aluminum, rated to IP68

1.2kg

203mm x 150mm x 56mm

Modbus RTU (RS485), slave-only

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0°C - 50°C, 15-90% relative humidity

non-condensing

Continuous monitoring

120 mL/min (not modifiable)

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12VDC

Sound and multi-color LED

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SENSOR SPECIFICATIONS*

	C_2H_4 0-10	C ₂ H ₄ 0-200		RH
Sensor type	Electrochemical	Electrochemical	n/a	n/a
Range	0-10 ppm	0-200 ppm	-40 to 120 C	0-100%
Lower detection limit	0.030 ppm	0.2 ppm	0.1C	0.10%
Response time (T90)	70 seconds	80 seconds	<5s	<5s
Resolution	0.010 ppm	0.1 ppm	n/a	n/a
Accuracy	n/a	n/a	±0.2C	±2%
Replaceable sensor	Yes	Yes	No	No
Lifetime	2 years in air	2 years in air	n/a	n/a

^{*}Specifications are preliminary and subject to change.

