

WIRELESS MONITORING SYSTEM



VOXiWatch VOXiLink



PROFESSIONAL GAS DETECTION & ALARM SYSTEMS

The VOXiWatch 8W and VOXiLink Wireless Gas Monitoring System provides reliable continuous monitoring for environmental protection, industrial safety, and petroleum and petrochemical applications.

Features, Functions and Benefits

Brackets to mount enclosure on solid surface

Large graphic color LCD

Push-button interface on controller display panel and transmitter

LEDs for Fault and Alarm

Communication: LoRA wireless (2 Miles or 3.2 km LOS)

EC sensors or Ultra-low power NDIR sensors

5 programmable relays: 2 wet and 3 dry

Up to 10 years of events logged

Splash/mud guards for sensor inlets

VOXiWatch 8W (MP884) & VOXiLink (MP87x)

The VOXiWatch Wireless System is a highly competitive fixed solution designed for fast deployment in areas where wiring is difficult. The VOXiWatch 8W 8 Channel Wireless Controller allows users to monitor and manage up to eight gas detection points simultaneously from a single system. The Controller is housed in a NEMA 4X enclosure and has a large, easy-to-read color display, common or individual channel relays, and optional horn and strobe assemblies. User-settable LO, HI, and HI HI Alarms. The VOXiLink Transmitters are compatible with electrochemical (EC) or ultra-low power NDIR sensors. With the ultra-low power design, it has a continuous runtime of 6 to 12 months using 4 size "C" LION batteries. It is equipped with long-range wireless communication, up to 2 miles (3.2 km) LOS.



VOXiWatch 8W Controller Display

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Controller Specifications

Size	6.0 x 6.0 x 4.0 in (152 x 152 x 102 mm)
Weight	5.6 lbs. (2.5 kg)
Enclosure	Polycarbonate NEMA 4X indoor or outdoor
Mounting	Flat Solid Surface
Main Power	12-24 VDC or AC with Internal Power supply
Temperature	-4° to 159°F (-20° to 65°C)
Humidity	0% to 95% RH (non- condensing)
Display	2.4-in Diagonal 240 x 320 Pixels. Background color changes with alarm status: green, yellow, red or blue

Channels	8 channels
Outputs	• 5 Programable relays • RS485 (modbus) • LoRA Wireless
Event Log	Up to 10 years log of Power on, Calibrations, Alarms, Faults, Peaks
Relay Contact Rating	• 30 VDC 5A • 120 VAC 10A
Power Draw	12 Watts maximum power consumption
Warranty	2 Years on controller, Extended Warranty Available (+2 year)

Transmitter Specifications

Size	7.1 x 8.4 x 5.0 in (191 x 220 x 127 mm)
Weight	6.6 lbs. (3 kg)
Sensors	All EC sensors, NDIR for CH ₄ , CO ₂
Calibration	Two-point calibration
Wireless	LoRA
Wireless Certification	FCC
Communication Distance	2 miles or 3.2 km at a minimum, Line of Sight, 70% success ratio
Temperature	-40° to +140°F (-40° to +50°C)
Humidity	0-95%(non-condensing)
Frequency Band	915MHz (902MHz-928MHz) or 868MHz

Display	Dot Matrix with backlight
Configuration	Via remote infrared programmer
Outputs	LoRA wireless, 100 mW
Housing	Explosion-proof aluminum alloy
Safety Certifications	ATEX  Pending
	CSA Pending
	IECEX Ex ib IIC T4 Gb (only EC sensor used) Ex ib ia op is IIC T4 Gb(when NDIR sensor is used with Mulberry-CH ₄ and Mulberry-CO ₂) Tamb: -40°C ~ +50°C
	CE European Conformity
IP Rating	IP-67
Warranty	2 Years; Extended Warranty Available (+2 year)

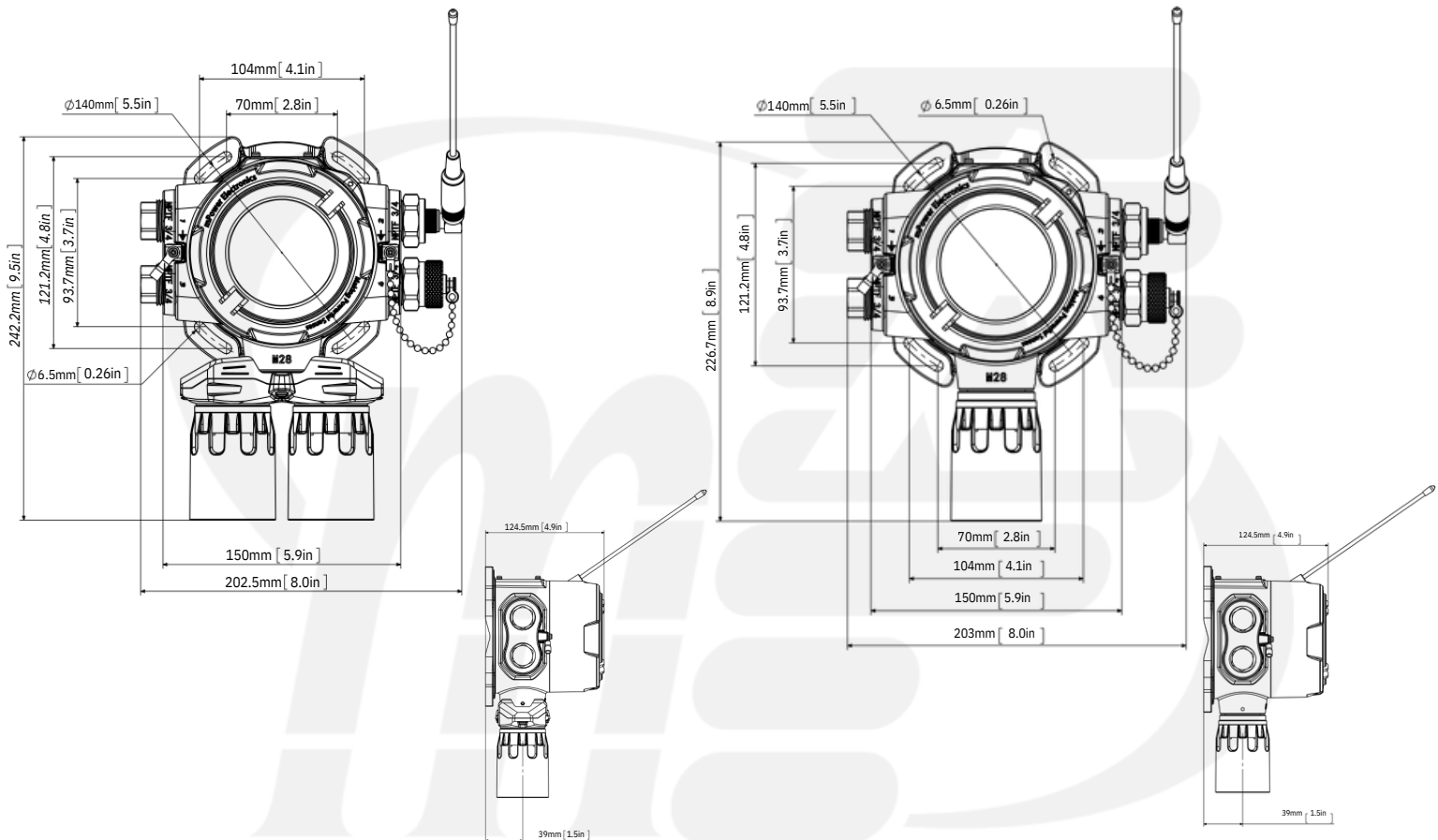
* Due to ongoing research and product improvement, specifications are subject to change without notice *

Sensor Options

Gas	Range	Resolution
O ₂ (Oxygen) Lead-Free	0-30%Vol	0.1%Vol
CO (Carbon Monoxide)	0-1000 ppm	1 ppm
H ₂ S (Hydrogen Sulfide)	0-100 ppm	0.1 ppm
CH ₄ (Methane)	100% LEL	1% LEL
CO ₂ (Carbon Dioxide)	0-50000 ppm	200 ppm
SO ₂ (Sulfur Dioxide)	0-20 ppm	0.1 ppm
ClO ₂ (Chlorine Dioxide)*	0-1 ppm	0.03 ppm
HCN (Hydrogen Cyanide)*	0-50 ppm	0.2 ppm
NH ₃ (Ammonia)	0-100 ppm	1 ppm
NO (Nitric Oxide) *	0-250 ppm	0.5 ppm
NO ₂ (Nitrogen Dioxide) *	0-20 ppm	0.1 ppm
Cl ₂ (Chlorine)	0-50 ppm	0.1 ppm
PH ₃ (Phosphine) *	0-20 ppm	0.1 ppm
ETO (Ethylene Oxide) *	0-100 ppm	1 ppm

*Check Availability

VOXiLink Transmitter



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