

AGM 500 Series

Multi-gas Monitor with AutoCal®



- Multi-gas monitor (2-to-4 gases)
- AutoCal® automatic calibration
- Single button operation
- Over 14 hours of continuous protection
- Light and compact
- Rugged and dependable

Uncompromising Protection

The AGM is a versatile 2-to-4 gas monitor that comes standard with O₂ and combustible sensors. The unit can be configured to best match your gas detection needs by adding up to two additional toxic sensors that include: CO, H₂S, DualTox (CO/H₂S), Cl₂, NO₂ and SO₂.

Calibration and maintenance

AutoCal® automatic calibration is true "hands-free" calibration with built-in error protection. The AGM will make all adjustments and inform the user when the calibration is complete. The date and time of the successful calibration will be stored in the memory of the AGM and will be displayed during subsequent turn-on sequences. Error protection will display a warning message and prohibit the calibration of the sensor if incorrect calibration gas is used or if a sensor is defective. The removable sensor cover allows easy access to sensors for simple replacement.

PTO connector and accessories

The PTO connector allows a power connection for software for PC communication. The attachable universal pump allows samples to be drawn from remote locations. A hydrophobic filter prevents liquid from entering the pump and a low flow alarm and display will warn the user of sample line blockage.

All AGM models are datalogging ready. Once the unit is connected to a computer the information may be downloaded to display date, time of the samples, and the level of each gas. You can later search for data by operator, date or instrument serial number.



AGM 500 series

Technical Data

Cases

Carbon monoxide (CO)
Chlorine (Cl₂)
Combustible (CH₄)
Hydrogen sulfide (H₂S)
Oxygen (O₂)
Nitrogen dioxide (NO₂)
Sulfur dioxide (SO₂)

Ranges

CH ₄	0 to 100% LEL
Cl ₂	0 to 20 ppm
CO	0 to 1,000 ppm
H ₂ S	0 to 200 ppm
NO ₂	0 to 20 ppm
O ₂	0 to 25% volume
SO ₂	0 to 100 ppm

Detection principles (sensors)

CH₄ Catalytic combustion
O₂ and toxics Electrochemical

Detection method

Diffusion
Hand aspirator (optional)
Universal pump (optional)

Expected sensor life

2 years

Display

LCD photosensitive back light

Alarms

Visual – flashing LED and LCD
Audible – internal horn

Operation time

11 to 18 hours (depending on alarms and accessories)

Power source

Rechargeable NiMH battery pack
Dry cell battery pack (optional)

Temperature range

+14 to +122°F / -10 to +50°C

Humidity range

0 (20) to 98% r.h. non-condensing

Pressure range

800 to 1,300 mbar

Casing

High impact ABS plastic with RF protective coating

Weight

18 ounces (510.29 grams)

Dimensions

6x3.1x2.9 inches (152.4x78.7x73.7 mm) (HxWxD)

Ratings and certifications (intrinsic safety)

UL Class I, Groups A B C D

Accessories

Datalogger software and cable
Dry cell battery pack
Hand aspirator
Universal pump

Specifications subject to change without notification

Distributed by:



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