

RAM 744-X AUTOLOCAL®

Portable Remote Compressed Air Monitor



RAM 744-X

Remote Monitor

- Continuous in-line CO monitor
- Low pressure alarm
- Rugged and watertight design
- Loud audible alarm
- 5 or 10 ppm alarm (please specify)
- 200 hour run-time (no alarms)
40 hour run-time (in alarm)

Optional Power Pack:

- Rechargeable battery
1000 hour run-time (no alarms)
200 hour run-time (in alarm)
- Marine style 110 VAC connector
- 12-hour charge time
- Remote alarm connector

GfG Instrumentation

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RAM 744-X

The GfG RAM 744-X remote monitor is a rugged and compact monitor for the detection of CO in compressed breathing air. It is the ideal monitor for portable applications where space is limited or where the environment is harsh. With a standard high pressure (120 psi) fitting on the inlet, it is easy to connect to virtually any air filtration system. The RAM 744-X automatically adjusts the flow rate so there are no touchy flow meters to adjust.

Calibration and maintenance are made simple with our innovative AutoCal® system which allows automatic calibration with the turn of a dial. The alarm level is set at 10 ppm by default; however, it may

be specified at 5 ppm. Any GfG Instrumentation RAM instrument can be custom-configured to meet the needs of the end user's exact specifications.

Optional Power Pack

The RAM 744-XP includes an optional power pack which replaces the alkaline battery pack with a heavy-duty rechargeable battery, built-in power supply/charger, 110 VAC power connection and remote alarm connector.

The 110 VAC connector is a completely sealed marine grade type, preventing water from entering the case†.



The RAM 744-XP may be continuously powered by 110 VAC or the rechargeable battery. The internal battery will power the monitor for 1,000 hours or 200 hours in continuous alarm.

Respiratory air specifications

All GfG Instrumentation RAM instruments satisfy the requirements of OSHA rule 29 CFR 1910.134 (d) (2) (ii) for carbon monoxide monitoring. They will also monitor Grade E air, generally specified for breathing air in cylinders (SCBA).

OSHA Regulations (Standard - 29 CFR) Respiratory Protection - 1910.134

(i)(6) For compressors that are not oil-lubricated, the employer shall ensure that carbon monoxide levels in the breathing air do not exceed 10 ppm.
(1)(7) For oil-lubricated compressors, the employer shall use a high-temperature or carbon monoxide alarm, to monitor carbon monoxide levels. If only high-temperature alarms are used, the air supply shall be monitored at intervals sufficient to prevent carbon monoxide in the breathing air from exceeding 10 ppm.

† Devices powered by mains should not be exposed to water during operation.

Technical Data

RAM 744-X

Gases

Carbon monoxide (CO)

Detection range and resolution

CO 0-99 ppm 1.0 ppm

Detection principle

Electrochemical

Display

2 digit .5" digit LCD

Expected sensor life

Greater than 1 year

Alarm point

CO 10 ppm standard
5 ppm available

Alarms

Audible, internal 83 dB at 1' (30 cm)
Audible, case mounted 100 dB at 1 m
Visual Flashing LED

Airline inlet

Standard pressure 60 to 120 psi
Hanson Style Dynaquip connector
(Schrader style available)

Sample flow rate

1.0 cubic foot of air per hour

Power source

8 AA battery (standard)
200 hour run-time (no alarm)
40 hour run-time (in alarm)
110 VAC/rechargeable battery (optional)
1000 hour run-time (no alarm)
200 hour run-time (in alarm)

Temperature range

-4 to +122°F / -20 to +50°C

Distributed by:



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Specifications subject to change without notification