

# RAM 744 AutoCal<sup>®</sup>

Respiratory air monitors

# TOX



- Meets OSHA requirements for 'grade D' breathing air
- Continuous monitoring of supplied breathing air
- Carbon monoxide detection
- AutoCal<sup>®</sup> automatic calibration
- Three-stage filtering for up to 8 users

Worldwide manufacturer of gas detection solutions

 **GfG Instrumentation**

# Best Safeguard for Quality Breathing Air

The RAM 744 is the ideal monitor for portable applications and where space is limited. It is mounted with the filtration system, allowing for rapid response and eliminating the possibility of sample lines becoming blocked or crimped. The flow rate is fixed so there are no touchy flow meters to adjust.

Calibration and maintenance are made simple with our innovative AutoCal system that allows the CO sensor to be calibrated with the flip of a switch and test gas connection. The alarm level is set to 10 ppm.

The compact portable "Air Case" encloses the three-stage 25, 50 or 100 CFM filter panel with the RAM 744 CO monitor in a rugged carrying case. All models have quick connect inlets and outlets.

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

## 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.

(i)(7)

For oil-lubricated compressors, the employer shall use a high-temperature or carbon monoxide alarm, or both, 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.



# Technical Data

## RAM 744

### Cases

Carbon monoxide

### Detection range

0 to 99 ppm CO

### Detection principle

Electrochemical cell – CO specific

### Display

2 digit .5" digit back lighted\* LCD

\*External power sources only.

### Expected sensor life

> 1 year

### Adjustable alarm point

CO 10 ppm

### Alarms

Audible – 83 dB @ 1' (30 cm)

Visual – flashing LEDs

External alarm 90 dB @ 1 m

### Air line input

Standard pressure 70 to 150 psi

1/2" FPT – 50 to 100 CFM panels (wall mount)

3/8" – 25 CFM panels (wall mount)

Dynaquip quick connects – portables

### Available relay contacts and ratings

N/O, common, N/C

0.3 A @ 125 V AC

0.1 A @ 30 V DC optional

### Sample flow rate

1.0 cubic feet of air per hour (scfh)

### Power source

110 V AC (wall pack)

12 V DC external

9 V DC internal

### Temperature range

-4 to +122 °F (-20 to +50 °C)

### Available models

8025-744 25 CFM wall mounted filter panel with RAM 744 (2 ports)

8050-744 50 CFM wall mounted filter panel with RAM 744 (4 ports)

8100-744 100 CFM wall mounted filter panel (8 ports)

9025-744 25 CFM portable filter panel (2 ports)

9050-744 50 CFM portable filter panel (4 ports)

9100-744 100 CFM portable filter panel (8 ports)

Specifications subject to change without notification

Distributed by:



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