

# RAM 744 Autocal<sup>®</sup>

## Wall Mounted or Fully Portable Compressed Air Monitoring System



## RAM 744

### In-line CO Monitor

- Continuous in-line CO monitor with low maintenance, dependable, long-life electrochemical sensor
- Three stage filtration for up to 8 users

**GfG Instrumentation**

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# 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 a test gas connection and the flip of a switch. 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.



## Specifications

Gases	Airline Inlet /Outlet	Available Models
Carbon monoxide (CO)	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 - outlet	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 with RAM (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)
Detection Range	Available Relay Contacts and Ratings	
CO 0-99 ppm	N/O, common, N/C 0.3 A at 125 VAC 0.1 A at 30 VDC	
Detection Principle	Simple Flow Rate	
CO specific Electrochemical cell	1.0 cubic feet of air per hour (scfh)	
Display	Power Source	
2 digit .5" digit back lighted* LCD * External power sources only.	110 VAC (wall pack) 12 VDC external 9 VDC internal	
Expected Sensor Life	Temperature Range	
Greater than 1 year	-4 to +122°F / -20 to +50°C	
Alarm Point		
CO 10 ppm		
Alarms		
Audible 83 dB at 1' (30 cm) Visual Flashing LED External alarm 90 dB at 1 m		

Specifications subject to change without notification

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