

Noble Gas Air/Stack Monitor Argon – Xenon – Krypton

Model Series - FM-9NGAS

FM-9XE-NG, FM-9NGAS-2, FM-9NGAS-3, FM-9NGAS-6S, FM-9NGAS-10S, FM-9XE-NGL (Leak Detector)

Description

The **FM-9NGAS** series Noble Gas Monitors determines Noble gas content of air by drawing the air through a gas chamber which is under constant surveillance by a radiation detector.

A six-foot outlet and inlet hose draws air from the use area, duct, stack, glove box, hood or filter trap and a wand is used with the FM-9XE-NGL Leak Detector.

All data is recorded on internal memory. Data archive and retrieval is available via USB or Ethernet Port.

An alarm is both visual and audio with a red flashing light and/or 2,000 Hz (beep) should the preset level be exceeded.

DESCRIPTION	FM-9NGAS ~ SERIES
Read Out (Units)	Bq/m ³ , uCi/cc, DAC, or Bq/L
Measures	Airborne Concentration
Hardware	<ul style="list-style-type: none"> ❖ Calculations by Imbedded Processor ❖ On Board Data Logger
Available Options	Electronic Mass Flowmeter

Specifications:

Sensitivity in the case of elevated background.

Count Time	N ¹⁶ Background	MDA FM-9NGAS-2 Ar ⁴¹ Concentration	MDA FM-9NGAS-3 Ar ⁴¹ Concentration
20 min.	2mR/hr	1 x 10 ⁻⁷ µCi/ml	5 x 10 ⁻⁸ µCi/ml
33 min.	4mR/hr	1 x 10 ⁻⁷ µCi/ml	5 x 10 ⁻⁸ µCi/ml
70 min.	8mR/hr	1 x 10 ⁻⁷ µCi/ml	5 x 10 ⁻⁸ µCi/ml
30 min.	0.01mR/hr	1 x 10 ⁻⁸ µCi/ml	5 x 10 ⁻⁹ µCi/ml
8 hr..	2mR/hr	2 x 10 ⁻⁸ µCi/ml	1 x 10 ⁻⁸ µCi/ml

Environment

Sample Air:

Temperature: 23° F to 122°F (-5° C to 50°C)

Humidity: 10% - 95% (Non-condensing)

Sample must be free of caustic and acid vapors and solvents

Dimensions

Electronics: FM-9XE-NG and FM-9XE-NGL: 11" w x 11" d x 11" h

FM-9NGAS-2, FM-9NGAS-3, FM-9NGAS-6: 21" w x 16" d x 11" h

Electronics and Cabinet: FM-9NGAS-10S: 30" w x 30" d x 6" h



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