

ARGON/NOBLE GAS MONITOR

Model # FM-7XE-M2

FM-7XE-M3

FEATURES:

- NEW, IMPROVED DIGITAL MONITOR
USER FRIENDLY
SIX-DIGIT READOUT
- MEASURES: Ar, Kr, Xe, Rn
- AIRBORNE CONCENTRATION & TOTAL DOSE
IN MPC (OR ANY UNITS)
- ADJUSTABLE AIR FLOW
- SETTABLE ALARM
- RS-232 COMPUTER AND/OR DATA LOGGER INTERFACE
- OPTIONAL PRINTER FOR HARD COPY



APPLICATION: The **FM-7XE-M2** Monitor is fast becoming the first choice for Noble Gas users in facilities all over the world.

DESCRIPTION: Model **FM-7XE-M2** Argon/Noble Gas Monitor determines Argon and Noble Gas content of air by drawing the air through a gas chamber which is under constant surveillance by a radiation detector. It is normally supplied with a six foot outlet and inlet hose so that it may draw air from the use area, duct, etc. In addition to showing the xenon content on the digital meter, it furnishes permanent record in the form of an **optional** digital printer with date & time stamp. An alarm is included which produces a red flashing light and/or 2,000 Hz (beep) should the preset level be exceeded.

SPECIFICATIONS:

•Sensitivity:

Count Time	N ¹⁶ Background	FM-7XE-M2 Ar ⁴¹ MDA Concentration	FM-7XE-M3 Ar ⁴¹ MDA Concentration
20 min.	•2mR/hr	•1 x 10 ⁻⁷ μCi/cc	•5 x 10 ⁻⁸ μCi/cc
33 min.	•4mR/hr	•1 x 10 ⁻⁷ μCi/cc	•5 x 10 ⁻⁸ μCi/cc
70 min.	•8mR/hr	•1 x 10 ⁻⁷ μCi/cc	•5 x 10 ⁻⁸ μCi/cc
30 min.	•0.01mR/hr	•1 x 10 ⁻⁸ μCi/cc	•5 x 10 ⁻⁹ μCi/cc
8 hr.	•2mR/hr	•2 x 10 ⁻⁸ μCi/cc	•1 x 10 ⁻⁸ μCi/cc

TA TECHNICAL ASSOCIATES

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Model # FM-7XE-M2

FM-7XE-M3

SPECIFICATIONS (Continued):

- Range:** 4 decades.
- Detection:**
 - One Liter Gas chamber with 2" pancake GM detector (T-1190).
 - FM-7XE-M3** use 2 T-1190s for sample counting.
- Background Subtract:** Identical GM tube with same shield gives background subtraction.
- Shielding:** 3" thick lead around chamber and detector (20" x 11" x 11"); 540lbs.
- Flow Rate:** Adjustable - pump is 1/2 cfm nominal.
- Prefilter:** Used to remove particulates.
- Case:** Electronics housed in enameled aluminum case; 11" x 11" x 11".
- Display:** Bright six digit LED display.
- Air Pump:** Vane type oil-less; (6" x 6" x 10").
- Alarm:**
 - Audible: 2000 Hz beeper.
 - Visual: red flasher settable at any point on scale.
- Power:** 115V, 60 Hz. **Optional** 230V, 50 Hz.
- Weight:** Electronics 12 lbs., Shielded Detector 540 lbs., Pump 7 lbs.
- Shipping Weight:** 640 lbs.

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