Wide Range Area Monitor

Model FM-9W Series

Ion Chamber

Advantages:

- Energy Independent:
- Reads out directly in True Dose Rate in (mR/h or Sv/h)
- Very wide operating range
- Long life
- Can be used to very high dose rates, some to 106 R/h

Disadvantages:

- Tends to cost more
- Does not see low ranges

MODEL	DETECTS	DETECTOR	RANGE / SENSITIVITY
FM-9W-I-1	Beta ~~~~~~ Gamma	Ion Chamber **IC-1**	0.1 – 10,000 mR/h 5 Decades is Standard, Other ranges available up to 5 Decades Down to 0.15 MeV Energy independent (±25%) 0.4 KeV to 7 MeV ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ 0.1 – 10,000 mR/h Down to 2 KeV; Energy independent (±15%) 4 KeV to 6 MeV
FM-9W-I-2	Gamma	**IC-2**	Down to 10 KeV; Energy independent (±15%) 20 MeV to 7 MeV
IC-1 & IC-2			

Operating range between -30°C and 65°C; drift less than -0.4% per°C at room temperature. 0-95% humidity non-condensing.

Detector: Air equivalent ion chamber. Standard systems use **Model IC-2** (for Gamma) or **Model IC-1** (for Beta-Gamma).

Both models have graphite lined phenolic walls and an active free air volume of 2 liters.

Optional high range systems use smaller chambers. Detector is supplied with 8 ft. cable (up to 500 ft. of cable can be supplied as an option).

Optional Neutron detector **IC-1-N**

CBRN Real - Time Air & Water Specialists

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