Rapid Radon Monitors

TLD and GM
Model Series - FR: Model FR-32 and Model FR-42

Process

1. The **FR-32** incorporates three TLD detection chips in a single holder.
2. Two side chips measure background; the end chip measures deposited alpha energy.
3. The incorporation of the two background chips allows more accurate determination of the Radon content of the ambient air and also is accepted by the NRC as a determinant as to average gamma background for the period that the FR-32 is in the field.
4. The desiccant is incorporated into a removable cartridge which clips onto the bottom of the instrument.
5. The **FR-Series** is designed for field handling and rough usage in a wide temperature range and diverse field conditions.

Electronics and Display:

6. The **FR-32** has no electronics, no display, and the TLD is sent to the laboratory for analysis and readout.
7. The **FR-42** has a digital internal scaler type display and uses a GM tube instead of the TLD.

Specifications

Weight:	13 lbs. (5.9 kg)
Shipping Weight:	16 lbs. (7.5 kg)
Dimensions:	8 3/4" d x 16 1/2". (22.22 cm x 41.91 cm
Chamber Volume:	462 cubic inches, 7.5 liters.
Detectors:	
FR-32:	(3) TLDs each 1/8" d x 1/8" (3mm x 3mm x 0.5mm).
FR-42:	(1) Miniature thin window GM Tube
Batteries:	(6) AA
Filter:	7 1/2" diameter (19.05 cm) Whatmen 41 or equivalent.
Drying Agent:	7 1/2" x 1" (19.05 cm x 2.54 cm) Drierite or Silica-Gel cartridge, reusable after oven drying.
Included:	(1) Spare Desiccant (Drying Agent) Cartridge. (1) Spare TLD Holder.

CBRN Real - Time Air & Water Specialists

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