

Rugged Ion Chamber TBM

Model - TBM-IC-MVR and TBM-IC-LE

Description

The Models **TBM-IC-MVR & TBM-IC-LE** consist of a 3" dia x 5" long sealed ion chamber coupled to a stable solid state MOSFET input electrometer with built in A to D converter to read out directly in mR/h or mR*. Rate range is 0.1 mR/h to 50,000mR/h in a single range. Dose range is 0.001mR - 10R in a single range. The sealed ION Chamber obviates the need to make temperature and pressure corrections and eliminates the need for dessicant change.

Model TBM-IC-LE fluted chamber sideview sensitivity is down below 20 KeV and end-on below 5 KeV. The Thin (0.5 mg/cm²) Kapton window allows high sensitivity readings for low energy Beta such as Tc-99 in addition to other Betas, Gammas and X-Rays. **Model TBM-IC-MVR has a fluted chamber option.**

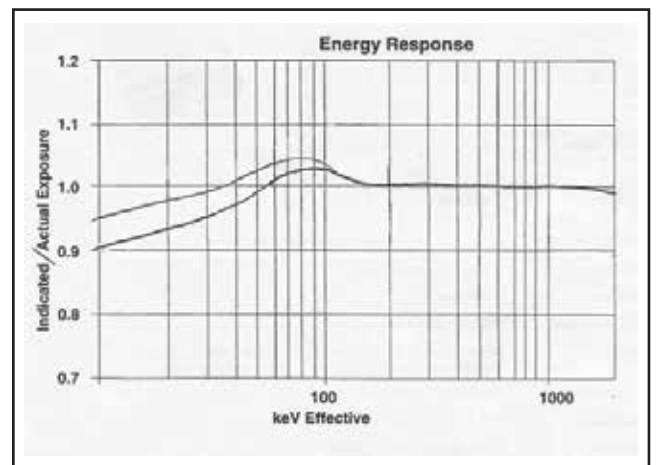
* μ Sv/h and μ Sv dose readout is optional.

Specifications

- Detector: Sealed Air ion chamber 3" dia x 5" long. Internal volume 450 cc
- Wall and Cap: Aluminum wall, plastic plus graphite lined and 540 mg/cm² cap.

Optional 1g/cm² walls

- Window: 2.0" dia. x 0.5 mg/cm² Kapton
- Readout: LCD 8 digits with **backlight**
- Indicator Lamp: Green LED 10 pulses/sec per mR/h
Red Over-Range Indicator
- Range: Rate 8 digit 0.1 mR/h to 50,000 mR/h in a single range.
Integrate 8 digits 0.001 mR to 10R in a single range
- Audio Alarm: User settable anywhere within TBM range
- Electrometer: Solid State MOSFET input
- Electronics: A-D converter LCD drivers
- Batteries: 22 ea. (Button) NEDA CR-1220 - 7 years life.
6 ea. (AA) NEDA 15A – 200 hour life
- Dimensions: 5-1/2" x 3-1/2" x 8" including handle
- Weight: 2.9 lbs. complete with batteries



Options: Readout in Si units: Sv and Sv/h

Optional Chamber Sleeves:

- X-Ray-SLV is X-Ray compliance sleeve with 10cm² aperture
- Deep dose Gamma sleeve



TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

7051 ETON AVENUE, CANOGA PARK, CALIFORNIA 91303

PHONE: 818-883-7043 | FAX: 818-883-6103

SALES@USNUCLEARCORP.COM | TECH-ASSOCIATES.COM | USNUCLEARCORP.COM

DIVISIONS OF



USNUCLEARCORP

OTCQB-UCLF