

## Hi Range Survey Meter

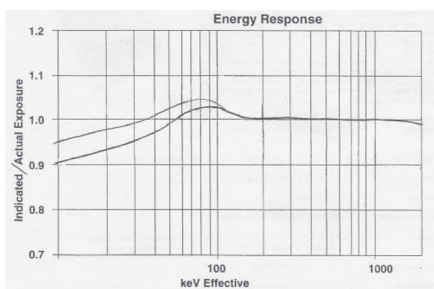
APPLICATION: Whenever a fast, sensitive ion chamber instrument is needed, the TBM-IC-MARK V is the latest in a series. The TBM-IC-MARK V ion chambers are now smaller and lighter. Based on newest more stable, essentially drift-free electrometer technology.



DESCRIPTION: The TBM-IC-MARK V consists of a 2.5" dia x 3.5" long air 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 9.999 R/h in a single range. Dose range is 0.01mR - 99.9R in a single range. 180 mg/cm graphite lined methacrylate walls accurate "air equivalence." Thin (0.5 mg/cm ) Mylar window allows high sensitivity readings for alpha and for low energy beta such as C14 in addition to higher energy Betas, Gammas and X-rays.

### Features

- Digital Readout: 8 digit-rate, 8 digits integrate
- Dose Rate & Total Dose Read Out
- Small Lightweight 26 oz.
- TBM Package
- Flat Response - Free Air Ion Chamber
- See Axially Below 5 KEV Gamma or X-Ray
- Sees Alpha, Beta, Gamma, X-Ray
- Fast Response
- Wide Range: 0.1 mR/hr to 9.999 R/hr



### Specifications

- Detector: Free Air ion chamber 2.5" dia x 3.5" long. Internal volume 260 cc
- Wall & Cap: Methacrylate, graphite lined 180 mg/cm walls and 540 mg/cm cap.
- Window: 2.0" dia. x 0.5 mg/cm Mylar.
- Readout: LCD 8 digits.
- Indicator Lamp: Green LED 10 pulses/sec per mR/h
- Red Over-range Indicator
- Range: Rate 8 digit 0.1 mR/h to 9.999 R/h in a single range.
- Integrate 8 digits 0.01 mR to 99.9R in a single range.
- Electrometer: Solid State MOSFET input.
- Electronics: A-D converter LCD drivers.
- Batteries: 10 ea. (Button) NEDA CR-1220 - shelf life 7 years.
- 6 ea. (AA) NEDA 15A - 1000hr.
- Dimensions: 5-1/2" x 3-1/2" x 8" including handle.
- Weight: 26 oz. complete with batteries.
- Options: Readout in SI units: Sv and Sv/h.