SENSITIVE INTEGRATING ION CHAMBER

Model # TBM-IC-AJI

FEATURES:

•SEES X-Ray PULSE DOWN TO 0.2µR •0.0001 mR to 10 R TOTAL DOSE

•WIDE RANGE: 0.1 mR/hr to 10 R/hr- DOSERATE (Standard)

•DIGITAL READOUT: 8 digit-rate, 8 digits integrate •DOSE RATE & TOTAL DOSE READ OUT •LIGHTWEIGHT 28 oz. (870 grams)

•TBM PACKAGE

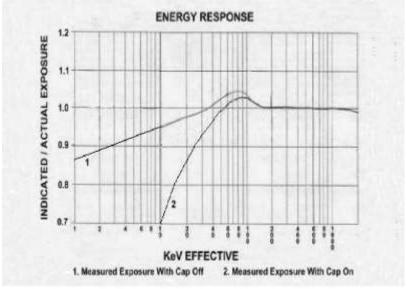
•FLAT RESPONSE - FREE AIR ION CHAMBER •SEES BELOW 2 KEV GAMMA OR X-RAY •SEES ALPHA, BETA, GAMMA, X-RAY

APPLICATION:

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



DESCRIPTION: The **TBM-IC-AJI** consists of a 3.7" dia x 6" 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 0.0001mR -10R in a single range. 180 mg/cm² graphite lined methacrylate walls accurate "air equivalence". Thin (0.5 mg/cm²) Mylar window allows high sensitivity readings for alpha and for low energy beta such as C in addition X-rays down to 2 KeV as well as higher energy Betas and Gammas.



TA TECHNICAL ASSOCIATES

W:www.activeradsys.it Tel: 0544 408071 E: info@activeradsys.it Fax: 0544 201477

Active Radsys

SENSITIVE INTEGRATING ION CHAMBER Model # TBM-IC-AJI

SPECIFICATIONS:

•Detector: Free Air ion chamber 3.7" dia x 6" long. Internal volume almost one liter

•Wall & Cap: Methacrylate, graphite lined 180 mg/cm² walls and 540 mg/cm² cap.

•Window: 3.0" dia. x 0.5 mg/cm² Mylar.

•Readout: LCD 8 digits.

•Energy Response: CAP-OFF: Sensitive down to 2 KeV +/- 20% 4 KeV to 6 MeV

•Indicator Lamp: Green LED 10 pulses/sec per mR/h. Red Over-range Indicator

·Range:

Rate 8 digit 0.01 mR/h to 1.0 R/h in a single range Or
0.1 mR/h to 10 R/h in a single range

Integrate 8 digits user settable, as low as 0.01uR Dose

•Electrometer: Solid State MOSFET input.

•Electronics: A-D converter LCD drivers.

·Batteries:

1 set of CR-1220 Lithium lasts for the shelf life 7 years. 6 ea. (AA) - 1000hr.NEDA 15A – 1000 hrs. (Longer with Alkaline or Li-ion or Nimh AA cells)

•Dimensions: 6" x 4" x 12" including handle.

Weight: 28 oz. complete with batteries. 870 (grams)

•OPTIONS:

- Readout in Si units: Sv and Sv/h. (TBM-IC-AJI-SV)
- Thicker chamber wall to 1g/cm² (TBM-IC-AJI-1g)
- Thin Cap same thickness as chamber side wall (180 mg/cm²)
- Closed chamber (no mylar window).
- · Alarm light on Mr/Hr- Rate Mode
- Serial RS-232 Dataport plus software.

