

SENSITIVE INTEGRATING ION CHAMBER

灵敏一体电离室

Model # TBM-IC-AJI

FEATURES: 特点

- SEES X-Ray PULSE DOWN TO 0.3 μ R
- 可见 X-Ray 脉冲低至 0.3 μ R
- 0.0001 mR to 1.0 R/hr -TOTAL DOSE
- 总剂量 0.0001 mR- 1.0 R/hr
- WIDE RANGE: 0.1 mR/HR to 1.0 R/hr- RATE
- 宽量程：计数率 0.1 mR/HR - 1.0 R/hr
- DIGITAL READOUT: 8 digit-rate, 8 digits integrate
- 数字读数：8位-计数率，8位-总计数
- DOSE RATE & TOTAL DOSE READ OUT
- 剂量率&总计数读数
- LIGHTWEIGHT 28 oz. (870 grams)
- 轻量 28oz(870g)
- TBM PACKAGE
- TBM 组件
- FLAT RESPONSE - FREE AIR ION CHAMBER
- 平坦响应-密封电离室
- SEES BELOW 2 KEV GAMMA OR X-RAY
- 可见低于 2KEV γ 或 X-RAY
- SEES ALPHA, BETA, GAMMA, X-RAY
- 可见 α ， β ， γ ，X-ray



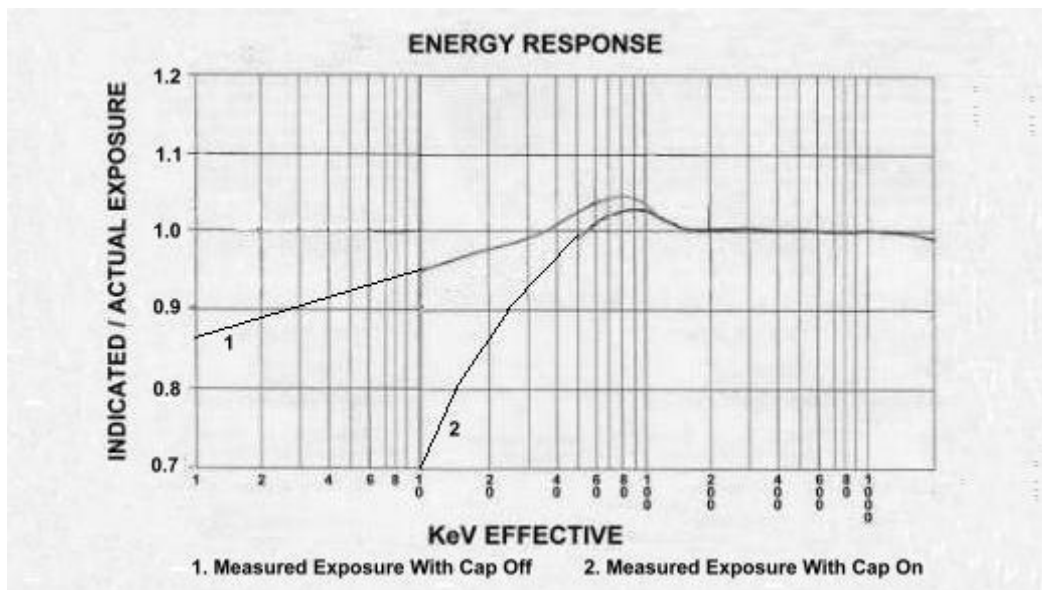
APPLICATION: Whenever a fast, sensitive ion chamber instrument is needed, the **TBM-IC-AJI** is the latest in a series. The **TBM-IC-AJI** ion chambers are now lighter. Based on newest more stable, essentially drift-free electrometer technology.

应用：无论何时您需要一款快速敏感电离室仪器，TBM-IC-AJI 都是系列中的最新款。基于最新更稳定，基本上无漂移静电技术，TBM-IC- AJI 更轻。



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 - 1.0R 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 C¹⁴ in addition X-rays down to 2 KeV to higher energy Betas and Gammas.

描述：TBM-IC-AJI 包含一个直径 3.7"长 6"电离室，耦合到一个稳定的固态 MOSFET 输入静电计，内置 A-D 转换器以直接读出单位 mR/h 或 mR，单量程计数率范围 0.1 mR/h - 9.999 R/h，单量程总剂量 0.0001mR - 1.0R。密度为 180 mg/cm² 石墨内衬甲基丙烯酸甲酯墙的电离室精确给出“空气当量”。薄 (0.5 mg/cm²) 迈拉窗允许高灵敏α和低能β读数如：C14，此外 X 射线测量低到 2 KeV，及更高能β-γ



ION CHAMBER TBM Model # TBM-IC-AJI

SPECIFICATIONS: 规格

- **Detector:** Free Air ion chamber 3.7" dia x 6" long. Internal volume almost one liter
- **探头：**密封电离室直径 3.7" x 6" 长，内容积接近一升
- **Wall & Cap:** Methacrylate, graphite lined 180 mg/cm² walls and 540 mg/cm² cap.
- **壁&帽：**聚甲基丙烯酸酯，壁厚 180 mg/cm² 石墨里衬和 540 mg/cm² 帽
- **Window:** 3.0" dia. x 0.5 mg/cm² Mylar.
- **窗：**直径 3.0" x 0.5 mg/cm² 迈拉
- **Readout:** LCD 8 digits.
- **读数：**8 位数 LCD
- **Indicator Lamp:** Green LED 10 pulses/sec per mR/h
Red Over-range Indicator
- **指示灯：**绿色 LED mR/h 10 脉冲/每秒

- **红色 LED 过量程指示**
- **Range: 量程**
Rate 8 digit 0.0001 mR/h to 9.999 R/h in a single range.
- **单量程** : 8 位数计数率 , 0.0001 mR/h - 9.999 R/h
Integrate 8 digits user settable, as low as 0.001mR or as high as 100R.
- **总计数** : 8 位数用户设定低到 0.001mR , 高达 100R
- **Electrometer:** Solid State MOSFET input.
- **静电计** : 固态 MOSFET 输入
- **Electronics:** A-D converter LCD drivers.
- **电子学** : A-D 转换 LCD 驱动
- **Batteries:** 电池
- 1 set of CR-1220 Lithium lasts for the shelf life of 7 years.
- **一套 CR-1220 锂电** , 保存期 7 年
6 ea. (AA) NEDA 15A - 1000 hrs.
- **6 节 AA NEDA 15A-1000 小时**
- **Dimensions:** 6" x 4" x 12" including handle.
- **尺寸** : 6" x 4" x 12" 包含把手
- **Weight:** 28 oz. complete with batteries. (870 grams)
- **重量** : 28 盎司 , 带电池 (870g)

Options: 选购

- **读出 SI 单位** : Sv 和 Sv/h. Readout in Si units: Sv and Sv/h.

(TBM-IC-AJI-SV)
- **更厚室壁到 1g/cm²** Thicker chamber wall to 1g/cm²

(TBM-IC-AJI-1g)
- **Thin Cap same thickness BC Chamber side wall (180 mg/cm²)**
- **薄帽 , 与 BC 室壁一样厚度(180 mg/cm²)**
- **封闭无窗电离室** Closed chamber (NO MYLAR WINDOW).
- **Mr/Hr- 率模式报警灯** Alarm light on Mr/Hr- Rate Mode
- **RS-232 串口数据输出 , 加软件** Serial RS-232 DATAPORT plus software.



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Radiation Detection & Measurement For 60 Years