

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



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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



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Divisions of  US NUCLEAR CORP

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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

- **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长6", 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)



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Options: 选购

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

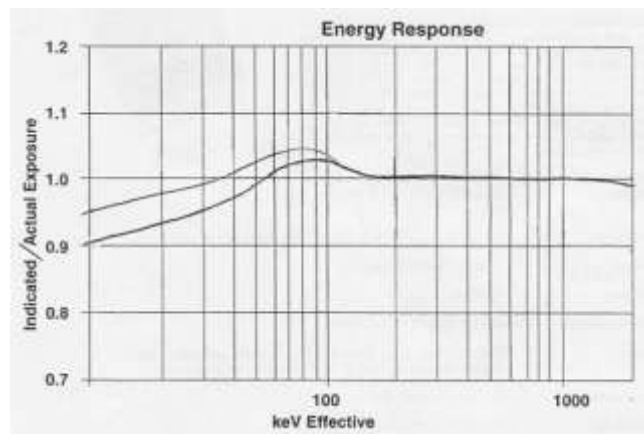
(TBM-IC-AJI-SV)

- Thicker chamber wall to $1\text{g}/\text{cm}^2$
- 更厚室壁到 $1\text{g}/\text{cm}^2$

(TBM-IC-AJI-1g)

- Thin Cap same thickness BC Chamber side wall ($180\text{ mg}/\text{cm}^2$)
- 薄帽, 与BC室壁一样厚度($180\text{ mg}/\text{cm}^2$)
- Closed chamber (NO MYLAR WINDOW).
- 封闭无窗电离室
- Alarm light on Mr/Hr- Rate Mode
- Mr/Hr-率模式报警灯
- Serial RS-232 DATAPORT plus software.

RS-232串口数据输出, 加软件



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