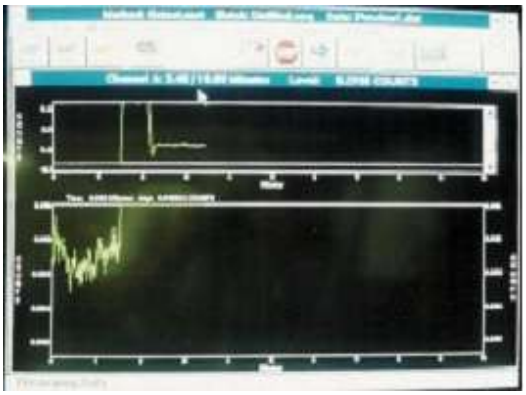
CHROMATOGRAM SCANNING COUNTER

色谱扫描计数器-医用核素系统

Medical Isotope System
Model ~ HY-1M

FEATURES: 特点

- ACCEPTS PAPER CHROMATOGRAMS, TLC STRIPS, & ELECTROPHORESES
- 检测纸色谱，TLC 柱层析，电泳
- SENSITIVE THIN WINDOW SCINTILLATOR
- 灵敏薄窗闪烁体
- SPOT & SLIT COLLIMATORS FOR LOW, HIGH ENERGY & MIXED GAMMAS
- 点&狭缝准直仪用于低，高能，混合核素伽马。
- HIGH PRECISION DIGITAL DRIVE SCANNER
- 高精度数字驱动扫描仪
- SEES ALL GAMMAS GREATER THAN 20 KEV
- 可见全部 20KEV 以上伽马
- OPTIMIZED FOR MEDICAL ISOTOPES
- 优化型号用于医疗用核素检测
- COMPUTER CONTROLLED
- 电脑控制
- EXPANDABLE TO MULTIPLE DETECTORS
- 可扩展为多道探测器
- MULTI-CHANNEL ANALYZZER WITH BASIC SPECTRO-ANALYSIS SOFTWARE
- 多道分析仪带基本光谱分析软件
- PROGRAMMED TO ANALYZE & COMPARE TRACES
- 能够分析和比较轨迹



Instrument Display

APPLICATION: 应用

Radio-Tracer methodology in Biochemistry, Biomed & Clinical Lab, Radiopharmacy , Nuclear Medicine .
生物化学辐射示踪，生物医学与临床实验室，辐射医药，核医药

Moving Table & Detector Bridge

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DESCRIPTION: 描述

The HY-1 series instruments are automatic scanners for TLC's, gels, paper chromatograms and electrophoreses.

HY 系列仪器系列仪器为自动扫描器用于 TLC 板，凝胶，纸色谱和电泳

- A moving 10" x 20" plate carries a 20 cm TLC or other sample in controlled steps under a bridge.
- 一块 10" x 20"板子带 20 厘米 TLC 薄层或其它样品在横桥下以控制步进移动
- Examines trace on the sample.
- 检测样品轨迹
- Transfers information to coupled computer.
- 将信息转换到连接的电脑上
- Detectors are interchangeable.
- 探测器可互换

Standard detector is a thin window scintillation detector highly sensitive to:

标准探头带薄窗闪烁探测器，对以下辐射敏感：

- Low energy Gammas (such as those from I^{125}, Tc^{99m}, etc.).
- 低能伽马（如 I^{125}, Tc^{99m} 等).
- Gammas of all energies above 20 KeV (I^{131}, Fe^{59} , Cr^{51}, Co^{57}, etc.)
- 对所有 20KEV 以上伽马敏感(I^{131}, Fe^{59} , Cr^{51}, Co^{57}, 等)
- Betas above 500 KeV (P^{32}, etc.).
- 对 500KEV 以上β敏感(P^{32}, 等.).

Included in the system is pulse height analysis resolution and "Isotope Library: to allow visualization and estimation of Isotopic content.

脉冲高度分析分辨率和"核素库"包括在系统内以允许核素内容可视化并进行评估。

The multi-channel analyzer with its associated software added to the localization and quantification of radioactive content in the peak analyzer makes the HY-1 a versatile TLC scanner.

对峰值分析仪中的辐射物进行定量和定位的多道分析仪和相关软件使得 HY-1 成为一款通用 TLC 扫描仪

SPECIFICATIONS: 规格

Electronics: **电子学：**	On Board Computer with MCA Multi-channel. 机载电脑带多道分析仪
Detector:	25mm x 25mm NaI(Tl) Scintillator coupled to high gain PM tube. **Optional** Shielding with 2.5 cm lead) **Good** resolution
探测器：	25mm x 25mm NaI(Tl)闪烁体耦合到高增益 PM 管中，可选 2.5cm 屏蔽，分辨率佳

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TLC Scanner Resolution: **TCL 扫描仪分辨率：**	1, 2, 5 or 10mm selectable distance per step 每步可选距离 1,2,5 或 10mm
Counting Time: **计数时间：**	1, 3, 10, 30, 100, 300, 1000, 3000 sec. intervals per step 1, 3, 10, 30, 100, 300, 1000, 3000 秒，每步间隔
Collimators: **准直仪：**	2mm, 5mm, 10mm spot. Wide (low energy) 2mm, 5mm, X10 mm slit 2mm, 5mm, 10mm 宽点，2mm, 5mm, X10 mm 狭缝式
Gamma Resolution: **伽马分辨率：**	2mm
Plate or Strip Size: **薄层板或条尺寸**	**Nominal**:正常 2.5 cm x 20 cm **Maximum**:最大 5 cm x 30 cm
Weight: **重量：**	75 lbs. (34 Kg)
Power: **电源**	220 VAC or 110 VAC, 50-60Hz

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