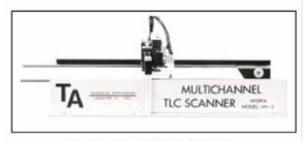


Instrument Display



Moving Table & Detector Bridge

Features

- Accepts Paper Chromatograms, TLC Strips, and Electrophoreses
- Sensitive Thin Window Scintillator
- Spot and Slit Collimators for Low, High Energy and Mixed Gammas
- High Precision Digital Drive Scanner
- Sees All Gammas Greater Than 20 Kev
- Optimized for Medical Isotopes
- Computer Controlled
- Expandable to Multiple Detectors
- Multi-channel Analyzzer with Basic Spectro-analysis Software
- Programmed to Analyze and Compare Traces

Application

Radio-Tracer methodology in Biochemistry, Biomed and Clinical Lab, Radiopharmacy, Nuclear Medicine.

Chromatogram Scanning Counter

Medical Isotope System

Model - HY-1M

Description

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

- A moving 10" x 20" plate carries a 20 cm TLC or other sample in controlled steps under a bridge.
- Examines trace on the sample.
- Transfers information to coupled computer.
- Detectors are interchangeable.

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

- Low energy Gammas (such as those from I125, Tc99m, etc.).
- Gammas of all energies above 20 KeV (I131, Fe59 , Cr51, Co57, etc.)
- Betas above 500 KeV (P32, etc.).

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

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.





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Chromatogram Scanning Counter

Medical Isotope System

Model - HY-1M

Specifications

Electronics: On Board Computer with MCA Multi-channel.

Detector: 25mm x 25mm NaI(Tl) Scintillator coupled to high gain PM tube.

Optional Shielding with 2.5 cm lead)

Good resolution

TLC Scanner Resolution: 1, 2, 5 or 10mm selectable distance per step

Counting Time: 1, 3, 10, 30, 100, 300, 1000, 3000 sec. intervals per step

Collimators: 2mm, 5mm, 10mm spot. Thin (low energy) 2mm, 5mm, X10 mm slit

Gamma Resolution: 2mm

Plate or Strip Size: Nominal: 2.5 cm x 20 cm

Maximum: 5 cm x 30 cm

Weight: 75 lbs. (34 Kg)

Power: 220 VAC or 110 VAC, 50-60Hz





