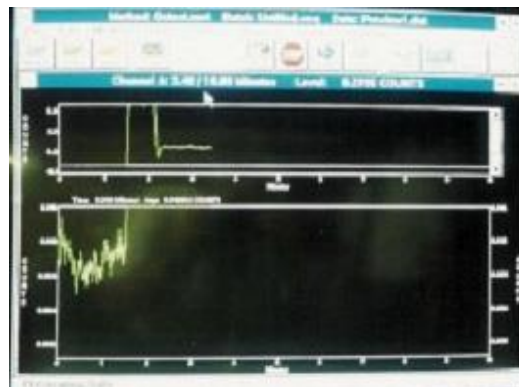


CHROMATOGRAM SCANNING COUNTER

Medical Isotope System Model ~ HY-1M

FEATURES:

- ACCEPTS PAPER CHROMATOGRAMS, TLC STRIPS, & ELECTROPHORESES
- SENSITIVE THIN WINDOW SCINTILLATOR
- SPOT & SLIT COLLIMATORS FOR LOW, HIGH ENERGY & 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 ANALYZER WITH BASIC SPECTRO-ANALYSIS SOFTWARE
- PROGRAMMED TO ANALYZE & COMPARE TRACES



Instrument Display



Moving Table & Detector Bridge

APPLICATION:

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

DESCRIPTION:

The 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 I^{125} , Tc^{99m} , etc.).
- Gammas of all energies above 20 KeV (I^{131} , Fe^{59} , Cr^{51} , Co^{57} , etc.).
- Betas above 500 KeV (P^{32} , 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.



**TECHNICAL ASSOCIATES
OVERHOFF TECHNOLOGY**

7051 Eton Ave., Canoga Park, CA 91303
818-883-7043 (Phone) 818-883-6103 (Fax)

tagold@nwc.net

WWW.TECH-ASSOCIATES.COM

Divisions of  US NUCLEAR CORP

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



TECHNICAL ASSOCIATES
OVERHOFF TECHNOLOGY

7051 Eton Ave., Canoga Park, CA 91303
818-883-7043 (Phone) 818-883-6103 (Fax)

tagold@nwc.net

WWW.TECH-ASSOCIATES.COM

Divisions of  US NUCLEAR CORP