

VERSATILE NEW PACKARD RADIOCHROMATOGRAM SCANNER



FEATURES:

- Completely automatic operation
- 4 pi counting geometry
- May be quickly converted for TLC scanning
- Automatic shut-off of gas and power
- Handle chromatograms $\frac{1}{2}$ to 2 inches wide and lengths to 150 ft; also accommodates thick paper (such as Whatman 3M) without damage
- Automatic indication of origin, solvent fronts, etc.
- 16 scanning speeds, 8 time constants, 9 linear count ranges
- Analog or digital data presentation
- Linear and Logarithmic display
- Quickly demountable components for decontamination

Packard 7200 Series Chromatogram Scanning Systems provide accurate, automatic assay of low energy beta-emitting activity deposited on paper strips or TLC glass plates. Analog data presentation is provided in Model 7201; Model 7211 provides digital display.

The new 7200 Series instruments incorporate many features designed to provide optimum detection accuracy, greater instrument utility, and time-saving user convenience. Ultra-sensitive detection is ensured by two windowless gas flow Geiger detectors arranged in 4 pi configuration to scan simultaneously both sides of a paper chromatogram. 2 pi scanning with either upper or lower detector may also be selected with a front panel switch.

Quick, precise positional resolution of activity is achieved by collimators containing slit widths of $2\frac{1}{2}$, 5, 7, and 10mm. Sixteen scanning speeds may be selected by depressing push-button selector switches which are illuminated when they are actuated. A push-button cam on the detector shield permits quick separation of the collimators for fast, easy front loading of the paper strip. Because the chromatogram strip enters the detector at a constant horizontal angle, thick paper (such as Whatman 3M) may be scanned without chromatogram damage.

Collected data are presented on a Packard Model 380 Recording Ratemeter. The Ratemeter offers 8 time constants and 9 linear count ranges. The interrelated Ratemeter and Recorder may be operated in either LINEAR or LOG modes. In the Linear mode, both the Ratemeter and Recorder display cpm on a linear scale; in the Log mode, they display cpm on a logarithmic scale from 10 to 10^6 cpm. Logarithmic presentation of data permits the user to prepare a preliminary run to establish settings for a final linear run or to accurately compare peak values in a minimum of time.

A valuable feature incorporated in this system is precise maintenance of a 1:1 speed ratio between the paper being scanned and the recording chart, enabling the user to quickly compare the strip and chart for precise activity location upon completion of a run. Another time and labor saving feature provided in the 7200 Series instruments is automatic chart indication of origin, solvent fronts, and other areas of interest.

Your Packard Sales Engineer can provide complete details on these versatile new Scanning Systems.

Packard

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