

# THE LOW BACKGROUND TBM

Model # TBM-23A

## FEATURES:

- LIGHTWEIGHT
- ONE HAND OPERATION
- BUILT-IN SONALERT WITH VOLUME CONTROL
- ANTI-SATURATION CIRCUIT
- VERY LOW BACKGROUND
- READS TO 100 mR/hr

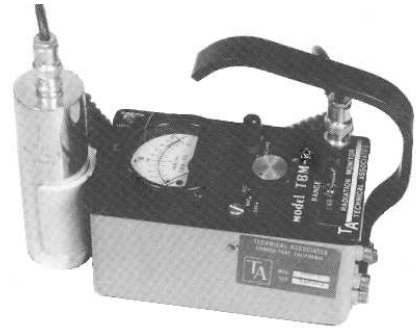


Figure 1: TBM-23A

**DESCRIPTION:** The P6-LB thin end window probe utilizes a low background Geiger tube with resulting high sensitivity for low level monitoring. Alphas, Betas and Gammas are seen.

**APPLICATION:** Column monitoring chromatogram plate monitoring: general purpose monitoring.

## SPECIFICATIONS:

<b>Meter:</b>	Rugged, recessed glass face 2-1/2" meter.
<b>Ranges:</b>	3 linear ranges: 0-500; 5,000; 50,000 (0-1, 10, 100 mR/hr)
<b>Switch Positions:</b>	Off, Battery Test, x100, x10, x1.
<b>Audio:</b>	Loud sonalert with volume control.
<b>Detector:</b>	T-1210A, 2.5 cm OD thin window GM tube. Window diameter: 2.0 cm sensitive diameter 3.2 cm <sup>2</sup> (0.6 sq. in.) probe area allows fast monitoring. Compact probe design (5 3/4" long plus connector x 1 1/4" OD) allows monitoring in corners and hard to reach locations. Background typically 10 cpm.
<b>Efficiency:</b>	100 % for all betas and alphas that have sufficient energy to penetrate the thin window.
<b>Calibration:</b>	Single master calibration pot plus individual cal pots for each scale. Pots are adjustable without opening case.
<b>Power:</b>	9V transistor battery (Eveready E-146x or equiv.)
<b>Battery Life:</b>	100 hours in normal operation.
<b>Physical Dimensions:</b>	3" (7.6 cm) wide x 5 1/4" (13.3 cm) long x 2 1/4" (6 cm) thick (excluding meter, handle and probe).
<b>Weight:</b>	Electronics: 26 oz. (738 gm.). External end window detector: 3 oz. (90 gm.).

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