

THE OUTREACH TBM

Model # TBM-23

FEATURES:

- 33 INCH REACH
- SWIVEL HEAD
- LIGHT WEIGHT
- ONE HAND OPERATION
- DETACHABLE TELESCOPING MINI-PROBE
- BUILT-IN SONALERT WITH VOLUME CONTROL
- ANTI-SATURATION CIRCUIT



Figure 1: TBM-23

DESCRIPTION: A 33" long wand with separable small three range ratemeter. Reads out in counts per minute (and mR/hr). Thin window one inch diameter GM detector at end of "long arm" is recessed and protected by sturdy aluminum grill. Instrument will see alpha, beta and gamma. Anti-saturation circuit will not fall below full scale in high fields. Tested to 100 R/hr. Sonalert with volume control gives audible rate indication.

APPLICATION: Allows extended reach to monitor floor or ceiling or pipes or windows - reaches into corners. Its small size, light weight, separable probe and detector size makes this a very useful monitor indeed.

SPECIFICATIONS:

Meter:	Rugged recessed Glass Face 2-1/2" Meter.
Ranges:	3 Linear Ranges: 0-500; 0-5,000; 0-50,000 (0-1, 10, 100 mR/hr)
Switch Position:	Off, Battery Test, X100, X10 X1
Audio:	Loud Sonalert with Volume Control
Detector:	T-1210A, 2.5 cm OD thin window GM tube. Window has 2.0 cm sensitive diameter. Probe area 3.2 cm sq. (0.6 in. sq.) allows fast monitoring. Compact probe design (2-1/4" long plus connector,, by 1-1/16" OD) allows monitoring in corners and hard to get at locations. Easily replaceable probe extender collapses to 9" and extends to 5'.
Background Count Rate:	Typical 10 cpm
Efficiency:	100% for all betas and alphas that have sufficient energy to penetrate the thin window.
Calibration:	Single master calibration pot plus individual cal pots for each scale. Pots are adjustable without opening case.
Power:	9V nominal "transistor" battery; Eveready E146X or equivalent.
Battery Life:	100 hours in normal operation.
Physical Dimensions:	3" (7.6 cm) wide x 5-1/4" (13.3 cm) long x 2-1/4" (6 cm) thick (excluding meter and handle and probe)
Weight:	Electronics:26 oz (738 gm) Total: including long arm mini-probe and cable 32 oz (905 gm).

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\$Revision: 1.1 \$