

FRISKER

Model # TBM-15

FEATURES:

- LIGHT WEIGHT.
- ONE HAND OPERATION.
- DETACHABLE PANCAKE PROBE.
- BUILT-IN SONALERT WITH VOLUME CONTROL.
- ANTI-SATURATION CIRCUIT.



Figure 1: P-15 (Included)

DESCRIPTION: Small three range Ratemeter with separable 2" diameter pancake probe. Reads out in counts per minute (and mR/hr). Thin probe window is recessed and protected by sturdy stainless steel grill. Instrument will see alpha, beta and gamma radiation. 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: Its small size, light weight, separable probe and large detector area make this a very useful monitor for surveying bench tops or checking hands, clothes and fingertips for almost any radioactive contamination.

See "Beta Pancake Response" specification (BETA PANCAKE RESPONSE)

SPECIFICATIONS:

Meter:	Ruggedized 2 1/2" meter.
Ranges:	3 ranges, linear - 0-500; 0-5,000; 0-50,000; cpm (0-.15, 1.5, 15 mR/hr).
Switch Position:	Off, Battery Test, X100, X10, X1.
Audio:	Sonalert with volume control.
Detector:	T-1190 2" diameter (5cm) "pancake GM" tube. Window Diameter: 1 3/4"; 4.5 cm. Window Thickness: 1.5 mg/cm ² . Quench Gas: Halogen for long life. Background: Typical 50 cpm. Thin profile of tube (13mm) gives low background. Efficiency: 100% for all betas and alphas that have sufficient energy to penetrate the thin window. (See attached graph pg. 2)
Physical Dimensions:	3"; 7.6 cm wide x 5 1/4" W; 13.3 cm long x 2 1/4"; 6 cm thick (excluding probe, meter, and handle).
Calibration:	Single master calibration pot as well as individual cal pots for each scale.
Power:	9 volt nominal "transistor" battery; Eveready 1222.
Weight:	Electronics only: 22 oz.; 625 gm. Total: including separable pancake probe 34oz.; 0.97 kg.
Battery Life:	100 hours in normal operation.

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TECHNICAL ASSOCIATES

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