

FLOOR CONTAMINATION MONITOR

Model # TBM-28/4

Model # TBM-28/4-15

FEATURES:

- 1.2 METER REACH
- SWIVEL HEAD
- WHEELS FOR FLOOR USE
- ONE HAND OPERATION
- DETACHABLE GOLF CLUB PROBE
- BUILT-IN SONALERT WITH VOLUME CONTROL
- ANTI-SATURATION CIRCUIT



Figure 1: TBM-28/4 Probe

DESCRIPTION: A 1.2 meter wand with separable, small, three-range ratemeter. Reads out in counts per minute. Thin pancake wide face 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 scale in high fields. Tested to 100 R/hr. Sonalert with volume control gives audible rate indication.

APPLICATION: Allows expanded reach to monitor floor or ceiling or pipes or windows - reaches into corners. It's small size, light weight, separable probe and large detector area makes this a very useful monitor.

Optional P-15 pancake probe (included with Model **TBM-28/4-15**) with short handle allows checking of hands, clothes, desktop etc..

SPECIFICATIONS:

Meter:	Rugged Recessed Glass Face 2-1/2" meter.
Ranges:	3 Linear Ranges 0-500; 5000; 50,000 cps.
Switch Position:	Off, Battery Test, X100, X10, X1.
Audio:	Loud Sonalert with Volume Control.
Detector:	TBM-28/4 has four GM tubes in P-28/4 probe. 4 each T-1190 2" diameter (5cm) "Pancake GM" tubes. Window Diameter: 1-3/4"; 4.5cm. Thickness: 1.5 to 2 mg/cm ² . Large Probe Area 62 cm ² for fast monitoring. Thin profile of tube: 13mm gives low background: typical 50 cpm/tube. TBM-28/4-15 comes with 2 probes: long handle P-28/4 and short handle P-15.
Window Efficiency:	100% for all betas and alphas that have sufficient energy to penetrate the thin window.
Overall Efficiency:	Greater than 30% for Sr/Y-90.
Calibration:	Single master calibration pot plus individual cal pots for each scale. Pots are adjustable without opening case.
Power:	9 volt nominal "transistor" battery; Eveready 1222 or Eveready E146X or equivalent.
Battery Life:	100 hours in normal operation.
Physical Dimensions:	650mm x 170mm x 180mm (TBM-28-4); 26" x 7" x 7".
Weight:	Electronics: 22 oz. Total: including long arm probe less than 3 kg for TBM-28/4 .

TA

TECHNICAL ASSOCIATES

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