

SURFACE SURVEY METER

- Sensitive to Alpha, Beta, and Gamma
- One Hand operation
- Built-in speaker
- Anti-saturation circuit
- Large 2" pancake detector
- Beta shield/ Window protection (TBM-3SR)

The TBM-3 is a small three range ratemeter with built - in 2" diameter pancake tube and speaker. It reads out in counts per minute and mR/h. The GM detector has a thin window recessed and protected by sturdy grill. The Model TBM-3SR has sliding methacrylate beta shield which also acts as additional protection for the GM tube window. The instrument will detect alpha, beta, and gamma radiation. The unit has an anti saturation circuit which ensures readings will not fall below full scale in high fields. Tested to 100 R/h.

Its small size, light weight, one hand operation, and large detector area make the TBM-3 a very useful monitor for surveying bench tops or checking hands, clothes, and fingertips for almost any radioactive contamination. Excellent for Fire Department, Ambulance, Police, First Response, and U.S. Custom Personnel use for surveying people, cars, luggage, surface of rooms, etc...



Bottom view of TBM-3SR showing sliding beta shield.



SPECIFICATIONS:

- Meter Style:** TBM-3: 2-1/2" Rectangular.
TBM-3S & TBM-3SR: 2-1/2" Ruggedized.
- Ranges:** 3 ranges, linear: 0-500; 0-5,000; 0-50,000 cpm (0-.15, 1.5, 15 mR/h).
Optional c/s, μ Sv/hr meter scale (SI Units)
- Switch Positions:** Off, Battery Test, X100, X10, X1.
- Audio:** TBM-3: internally mounted speaker.
TBM-3S & TBM-3SR: Sonalert with Volume Control.
- Detector:** T-1190 "pancake" GM tube.
Diameter: 2" (5cm).
Window Diameter: 1-3/4" (4.5 cm).
Window Thickness: 1.5 mg/cm².
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 the energy to penetrate the thin window. Gamma sensitivity nominal is 3 cpm/ μ R/h (based on Cs 137).
- Physical dimensions:** 3" Wide x 5-1/4" Long x 2-1/4" High excluding meter and handle. (7.6 cm x 13.3 cm x 6 cm)
- Beta Shield:** Methacrylate 0.125" (3.1 mm)
TBM-3SR only.
- Power:** 9 volt battery; Eveready 1222 or equivalent.
- Battery Life:** 100 hours in normal operation.
- Handle:** Swivel type, polished anodized aluminum.
(Optional Detachable Handle TBM-3SR(DL) upon request.)
- Weight:** 22 oz; 625 gm

TBM-3	Surface Monitor	\$425.00
TBM-3S	Surface Monitor, ruggedized.....	525.00
TBM-3SR	Surface Monitor, w/ beta shield.....	555.00

Prices subject to change without notice.

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