

SURFACE CONTAMINATION MONITOR

Model Series ~ TBM-3

Model TBM-3 ~ Model TBM-3S ~ Model TBM-3SR

FEATURES:

- SENSITIVE TO ALPHA, BETA & GAMMA
- ANALOG
- ONE HAND OPERATION
- BUILT-IN SPEAKER
- ANTI SATURATION CIRCUITS
- LARGE 2" PANCAKE DETECTOR
- BETA SHIELD WINDOW PROTECTION (TBM-3SR Only)
- CE MARK



TBM-3S



TBM-3SR with Sliding Beta Shield

APPLICATION:

Its small size, light weight, one hand operation, & large detector area make this a very useful monitor for surveying bench tops or checking hands, clothes, & fingertips for almost any radioactive contamination.

Excellent for Fire Department, Ambulance, Police, First Response, & U.S. Custom Personnel use for surveying people, cars, luggage, surface of rooms, etc...

EXPERTS RECOMMEND TBM-3SR FOR FIRE DEPARTMENT USE ON EVERY FIRE ENGINE.

DESCRIPTION:

The TBM-3 Series are small three range Ratemeters with built -in 2" diameter pancake tube and speaker.

Display window is recessed for greater durability.

- Reads out in counts per minute (and mR/h).
- **TBM-3** has recessed window with a sturdy grill on the back to protect the GM tube window.
- **TBM-3S** is ruggedized with recessed window with a sturdy grill on the back to protect the **thin** GM tube window.
- **TBM-3SR** is ruggedized with sliding methacrylate Beta shield in addition to the sturdy grill to protect the thin GM tube window.
- Sees Alpha, Beta, and Gamma radiation.
- Anti-saturation circuit will not fall below full-scale high fields.
- Tested to 100 R/h.



TBM-3



TECHNICAL ASSOCIATES

OVERHOFF TECHNOLOGY

Divisions of  US NUCLEAR CORP

OTCQB - UCLE

7051 Eton Ave., Canoga Park, CA 91303
818-883-7043 (Phone) 818-883-6103 (Fax)

sales@usnuclearcorp.com

WWW.TECH-ASSOCIATES.COM

SURFACE CONTAMINATION MONITOR

Model Series ~ TBM-3

Model TBM-3 ~ Model TBM-3S ~ Model TBM-3SR

SPECIFICATIONS:

Analog Meter:

TBM-3: 2-1/2" Rectangle.

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).*

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 & Alphas** that have the energy to penetrate the thin window. **Gamma** sensitivity nominal is 3 cpm/ μ R/h (based on Cs 137).

WEIGHT & DIMENSIONS:

Dimensions: 3" Wide x 5-1/4" Long x 2-1/4" High. (7.6 cm x 13.3 cm x 6 cm)
Excluding meter and handle.

Beta Shield: **TBM-3SR Model Only:** Sliding Methacrylate 0.125", 3.1 mm.

Calibration: Single master calibration pot as well as individual cal pots for each range.

Power: 9 volt "transistor" 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

OPTIONS:

Optional Read Out Units: c/s, μ Sv/hr meter scale (SI Units).

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

Fire Fighters: TBM-3SR is available with the Background x 10 meter, replacing the mR/hour or a single Counts Per Minute Scale or mR/hr Scale. (Upon Request)



TECHNICAL ASSOCIATES

OVERHOFF TECHNOLOGY

Divisions of



US NUCLEAR CORP

OTCQB - UCLE

7051 Eton Ave., Canoga Park, CA 91303

818-883-7043 (Phone) 818-883-6103 (Fax)

sales@usnuclearcorp.com

WWW.TECH-ASSOCIATES.COM