

DIGITAL CONTAMINATION MONITOR

Model # TBM-3SR-D

FEATURES:

- SENSITIVE TO ALPHA, BETA & GAMMA
- ONE HAND OPERATION
- DIGITAL DISPLAY
- BUILT-IN SPEAKER
- ANTI SATURATION CIRCUIT
- LARGE 2" PANCAKE DETECTOR
- BETA SHIELD/WINDOW



DESCRIPTION: Small Digital Ratemeter with built in 2" diameter pancake tube and speaker. Reads out in mR/hr (or counts per minute). Thin window recessed and protected by sturdy grill. Additionally TBM-3SR-D has sliding methacrylate beta shield which also acts as additional protection for thin GM tube window. Instrument will see alpha, beta and gamma radiation. Anti saturation circuit will not fall below full scale in high fields, Tested to 100R/h.,

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

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



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Model # TBM-3SR-D

SPECIFICATIONS:

- Digital Display:** Large 6 digit LCD
- Ranges:** 0.01 to 100.00 mR/hr.
- Front Panel Switches:** Power: On/Off
Battery Test
- Detector:** T-1190 "pancake GM tube"
- Diameter:** 2 inches (5cm).
- Window Diameter:** 1-3/4 inches (4.5cm)
- 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 3,500 cpm/mR/h (based on Cs137).
- Physical dimensions:** 3" Wide x 5-1/4" Long 2 2-1/4" High. Excluding knobs and handle. (7.6 cm x 13.3 cm x 6 cm)
- Beta Shield:** Methacrylate 0.125", 3.1mm.
- Calibration:** Pass code protected digital calibration of both dose and doserate from front panel or optionally by computer with serial option.
- Power:** 9 volt "transistor" battery; Everready 1222 or equivalent
- **Battery Life:** 100 hours in normal operation.
- **Handle:** Swivel type, polished anodized aluminium.
(**Optional** Detachable Handle **TBM-3SR(DL)** Upon Request)
- Weight:** 22oz. (625 grams)
- Optional:** Lighted LCD Display.
Detachable Handle **TBM-3SR(DL)** LED and audio alarm
2-way Serial port
Fully stable Audio Alarm

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

Fire Fighters: TBM-3SR-D is available with the mR/hour Scale, a single Counts Per Minute Scale or mR/hr Scale, or Both Scalers (Upon Request).



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