

Surface Contamination Monitor

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 100 R/h.

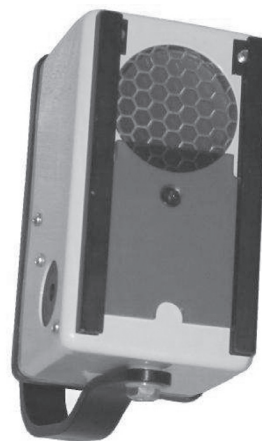
APPLICATION: Its small size, light weight, one hand operation, and large detector area make this a very useful monitor for surveying bench tops or checking hands, clothes, and fingertips for almost any radioactive contamination. Excellent for Fire Department, Ambulance, Police, First Response, and U.S.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

Features

- Sensitive to Alpha, Beta & Gamma
- One Hand Operation
- Digital Display
- Built-In Speaker
- Anti Saturation Circuit
- Large 2" Pancake Detector
- Beta Shield/Window Protection

Specifications

- Radiation Detected: Alpha, beta, gamma, and x-ray depending upon detector used.
- Digital Display: Large 6 digit LCD Display. (Optional lighted LCD Display.)
- Ranges: 0.01 to 100.00 mR/hr. (Optional: 0 to 100,000cpm.)
- Front Panel Switches: Power: On/Off. Battery Test.
- Detector: T-1190 "pancake GM tube"
- Diameter: 2 inches (5cm).
- Window Diameter: 1-3/4 inches (4.5 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 3,500 cpm/mR/h (based on Cs137).
- Physical dimensions: 3" Wide x 5-1/4" Long x 2-1/4" High. Excluding knobs and handle. (7.6 cm x 13.3 cm x 6 cm)
- Beta Shield: 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 grams).
- Optional: Lighted LCD Display.
- Detachable Handle TBM-3SR-D(DL).

Surface Contamination Monitor (Analog) 5250-0135

Surface Contamination Monitor (Digital) 5250-0136

Pancake Probe

Alpha, Beta, Gamma Probe (GM) for rapid checking of laboratory bench and equipment surfaces and for checkout of personnel, the P-15 uses a 1-3/4" mica window diameter, 1.5 mg/cm² pancake tube.

Background is normally 50 to 60 counts per minute. Extremely sensitive to , and alphas with sufficient energy to penetrate window (Betas > 50 KeV). Window is protected by a 79% open, grill to prevent puncture or other damage while presenting minimum absorption to incoming radiation. Detects 5 KeV X-Rays and above.



Pancake Probe 5250-0130