BETA & GAMMA SURVEY METER
Model ~ TBM-20S

FEATURES:
- SENSITIVE TO BETA & GAMMA
- ANALOG
- 3 RANGES
- ONE HAND OPERATION
- BUILT-IN SPEAKER
- ANTI SATURATION CIRCUIT
- BETA SHIELD/WINDOW PROTECTION
- IP 63
- CE MARK

DESCRIPTION:
- Small three range Ratemeter with built-in GM tube and speaker.
- Reads out in μSv/h (or mR/h).
- Recessed thin window protected by sturdy grill & has sliding methacrylate Beta shield.
- Instrument will see beta, and gamma radiation.
- Anti-saturation circuit will not fall below full scale high fields.
- Tested to 100 R/h.

APPLICATION:
- Small, light-weight, one hand operation
- Use 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...

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SPECIFICATIONS:

Meter: 2-1/2" Ruggedized.
Ranges: 3 ranges, linear: 0;-2; 20; 200 μSv/h.
Switch Positions: Off, Battery Test, X100, X10, X1.
Audio: Sonalert with Volume Control.
Detector: T-7 ``GM tube''.
Maximum GM dimensions: 95mm L x 16 mm diameter.
Effective GM dimensions: 19mm L x 16 mm diameter.
Window Thickness: 30-60mg/cm^2.
Quench Gas: Halogen for long life.
Background: Typical 10 cpm.

Efficiency: 100% for all Betas will penetrate the thin window.
Gamma: Sensitivity nominal is 12 cps/mR/hr (based on Co 60).
Beta Shield: Methacrylate 0.125", 3.1 mm thick.
Calibration: Single master calibration pot

Individual cal pots for each range.

Power: 9 volt battery.
Battery Life: 100 hours in normal operation.
Physical 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.

Handle: Swivel type, polished anodized aluminum.
Weight: 22 oz