

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 $\mu\text{Sv/h}$ (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...



TECHNICAL ASSOCIATES

OVERHOFF TECHNOLOGY

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

tagold@nwc.net

WWW.TECH-ASSOCIATES.COM

Divisions of  US NUCLEAR CORP

TICKER UCLE

BETA & GAMMA SURVEY METER

Model ~ TBM-20S

SPECIFICATIONS:

Meter:	2-1/2" Ruggedized.
Ranges:	3 ranges, linear: 0-;2; 20; 200 μ Sv/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. Thin Profile of tube (1.6 cm) gives low background.
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



TECHNICAL ASSOCIATES

OVERHOFF TECHNOLOGY

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

tagold@nwc.net

WWW.TECH-ASSOCIATES.COM

Divisions of  US NUCLEAR CORP

TICKER UCLE