

SURFACE MONITOR/SEARCH TOOL

Model ~ TBM-6SP-ST

FEATURES:

- TWO SEPARATE DETECTORS
 - INTERNAL: PANCAKE GEIGER
 - EXTERNAL: SCINTILLATOR 1" X 1" NaI(Tl)
- 4 LINEAR RANGES
- RUGGED
- SLIDING SHIELD PROTECTS PANCAKE DETECTOR WHEN NOT IN USE
- LIGHTWEIGHT – FITS IN A BRIEFCASE
- IP63
- CE MARK



DESCRIPTION:

- The **TBM-6SP-ST** features an internally mounted 2 inch pancake GM detector with window looking downward from bottom of case.
- An External Model PGS-3 1" x 1" scintillation probe for use as a Gamma Search Tool and μ R Meter.
- A sliding shield protects pancake detector when not in use.
- This system is half the weight of other systems.

SPECIFICATIONS:

Meter:	Rugged, recessed 2-1/2" meter.
Range Switch Positions:	Off; Battery Test; X1; X10; X100; X1,000.
Ranges:	4 linear ranges for each detector: <ul style="list-style-type: none">➤ External: 0-500; 5,000; 50,000; 500,000 cpm.➤ Internal: 0-0.15; 1.5; 15; 150 mR/hr.➤ Other scales and overlays available: Sieverts, etc.
Detector Switch (Toggle):	Internal (pancake), External (scintillator)
Time Constant Switch:	Fast, Slow (approx. 2 & 11 sec.)
Detectors:	2" O.D. Internal Pancake Geiger. PGS-3 - 1" diameter by 1" thick crystal scintillation probe with 40" removable cable for external. NaI(Tl) crystal.
Optional:	BGO crystal .



TECHNICAL ASSOCIATES

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Efficiency:

BETA Pancake	C ¹⁴	40%	P ³²	98%	Exclusive of any geometry factor
GAMMA	I ¹³¹	77%	Co ⁶⁰	38%	Exclusive of any geometry factor
Scintillation	Tc ^{99m}	99%	Cs ¹³⁷	50%	Exclusive of any geometry factor

Calibration: Single Master Cal Pot for each detector, plus individual Cal Pot for each scale.
Pots adjust from outside case.

Power: 9V battery

Battery Life: 100 hrs. Normal Operation.

WEIGHT & DIMENSIONS:

Unit Dimensions: 3" (7.6 cm) W x 5-1/4" (13.3 cm) L x 2-1/4" (6 cm) D. Excluding External Probe

Total Weight: 2.5 lbs. (including probe and battery)

Shipping Weight: 4.4 lbs.



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