

SCINTILLATOR/PANCAKE BETA / GAMMA TBM

Model ~ TBM-6SP

FEATURES:

- BETA / GAMMA DETECTOR
 - I^{125} , C^{14} , Tc^{99}
- TWO SEPARATE DETECTORS
 - **INTERNAL** -GM PANCAKE WITH PROTECTIVE SLIDING SHIELD
 - **EXTERNAL** - SCINTILLATION NaI(Tl) OPTIONAL BGO
- ENHANCED RESPONSE FOR RADIATION FROM 5 KeV TO 250 KeV
- PORTABLE
- BATTERY OPERATED
- LIGHTWEIGHT - FITS IN A BRIEFCASE
- **IP63**
- **CEMARK**



CE

Internal GM Detector with Sliding Shield Window Protector

DESCRIPTION:

- Internally mounted 2 inch pancake GM detector with window looking downward from bottom of case.
- A sliding shield protects pancake detector when not in use.
- External thin window/thin crystal scintillation probe for detection of I-125, Tc-99m, Co-57 and other low energy Gammas.
- This system is half the weight of other systems

EFFICIENCY:

BETA Pancake	C^{14}	40%	P^{32}	98%	Exclusive of any geometry factor
GAMMA	I^{125}	87%	Co^{57}	78%	Exclusive of any geometry factor
Scintillation	Tc^{99m}	75%	Cs^{137}	30%	Exclusive of any geometry factor



**TECHNICAL ASSOCIATES
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Ticker UCLE

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SPECIFICATIONS:

Display:	Analog, 2-1/2" Meter, Low Light Read Out, Rugged, Recessed.
Ranges:	4 linear for each detector: Internal Detector: 0-0.15; 1.5; 15; 150 mR/hr. for. External Detector: 0-500; 5,000; 50,000; 500,000 cpm Other scales and overlays available: Sieverts, etc.
Face Plate Controls:	On/Off (Toggle), Battery Test, Volume Control Range Switch Positions (Rotary): X1; X10; X100; X1,000. Detector Selector (Toggle): Internal (GM pancake), External (scintillator) Time Constant Switch: Fast, Slow (approx. 2 & 11 sec.)
Detectors:	Internal Detector: 2" O.D. Pancake Geiger with Sliding Protective Window Shield External Detector: NaI (TI) crystal Standard - 1" diameter thin window/thin crystal scintillation probe with 40" removable cable. OPTIONAL BGO crystal.
Detection:	Internal Detector: Gamma, X-Ray, Beta External Detector: Gamma, X-Ray, Beta, Neutron, Positron (Depends Upon Probe Used – GM, Scintillator NaI(Tl), Plastic Scintillator)
Internal Detector:	Gamma Sensitivity: 500CPS/Mr/H Lowest Beta: 70KeV Range of Exposure Rate X-Ray or Gamma: 40 KeV – 2 MeV
Calibration:	Single master Cal Pot for each detector, Individual Cal Pot for each scale. Pots adjust from outside case.
Power:	9V Battery
Battery Life:	100 hrs. Normal Operation.
Dimensions:	3" (7.6cm) wide x 5 1/4" (13.3cm) long x 2 1/4" (6cm) deep.
Total Weight:	2.5 lbs. (including probe and battery)



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