

SURFACE MONITOR SEARCH TOOL

Model ~ TBM-6SP-ST-D

FEATURES:

- ALPHA, BETA / GAMMA DETECTOR
- TWO SEPARATE DETECTORS
- TWO DETECTOR MOUNTING CLIPS
- P-15 GM PANCAKE WITH T-1190 TUBE
- PGS-3 - GAMMA SCINTILLATION NaI(Tl)
 - **OPTIONAL – PGS-3T INSTEAD OF PGS-3**
LOW ENERGY GAMMA SCINTILLATION PROBE
 - **OPTIONAL – BGO INSTEAD OF PGS-3 OR PGS-3T**

PRS-2S ELECTRONICS

- READS OUT FROM 2 SEPARATE PROBES SIMULTANEOUSLY
- 2 PROBE MOUNTING CLIPS
- NO ENERGY DISCRIMINATION
- ENHANCED RESPONSE 5 KeV TO 250 KeV
- PORTABLE; BATTERY OPERATED
- LIGHTWEIGHT - FITS IN A BRIEFCASE
- **OPTIONAL: USB / RS-232 SERIAL OUTPUTS**
- **OPTIONAL: PRE-AMPLIFIER**
- **CE MARK; IP63**



**PRS-2S
TBM-6SP-ST-D ELECTRONICS**

DESCRIPTION:

- PGS-3 thin window/thin crystal scintillation probe for detection of I-125, Tc-99m, Co-57 and other low energy Gammas.
- P-15 Alpha, Beta Pancake Probe with T-1190 tube.
- Use as both a Ratemeter and Automatic Scaler.
- Readings directly in mR/hr or other units can be made by choosing correct scaling factors for the scaler and the ratemeter.
- Digital ratemeter mode - 6 full decades and Scaler Mode – 8 decades of accurate readout without manual switching.
- This system is half the weight of other systems.



TECHNICAL ASSOCIATES

7051 ETON AVENUE, CANOGA PARK, CALIFORNIA 91303

PHONE: 818-883-7043 | FAX: 818-883-6103

SALES@TECH-ASSOCIATES.COM | TECH-ASSOCIATES.COM | USNUCLEARCORP.COM

DIVISION OF



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SURFACE MONITOR SEARCH TOOL

Model ~ TBM-6SP-ST-D

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

SPECIFICATIONS:

- Detectors:** PGS-3 thin window/thin crystal scintillation probe for detection of I-125, Tc-99m, Co-57 and other low energy Gammas.
- Optional:** PGS-3T Low Energy Gamma Scintillation Probe
- Optional:** BGO instead of PGS-3 or PGS-3T
- P-15** Alpha, Beta Pancake Probe with T-1190 tube
- Alarm:** Audio / Visual, Low Battery Warning
- Temperature:** 14° F to 104° F (-10 C° to 40° C)
- Power:** Batteries: 6 AA cells or optional in-place rechargeable batteries.
- Battery Life:** 100 hours with Alkaline cells (200 hours with - Lithium cells).
- Construction:** All plug-in circuit cards, essentially no wires. Rugged, lightweight
- Dimensions:** 3-1/4" H, 4-1/4 W, 7-1/4" long excluding probe holder and handle.
- Weight:** 2 lbs.
- Options:** RS-232 serial port
Pre-amp for proportional detectors
Other connectors - MHV etc
In-place rechargeable batteries

Digital Display	RATEMETER	SCALER
Range	6-digit LCD	8-digit LCD
User Settable Scale Factor	0.1 - 20,000 count/sec	0-10,000,000 Total counts
Time Constant	0.01 to 99 seconds Display Refresh Rate	Free Running



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