

SAMPLE COUNTING SYSTEM

WIPES, FILTERS, PLANCHETS

FEATURES:

- **STAM-2** ALPHA SCINTILLATION SYSTEM
- **STG-4** BETA-GAMMA SCINTILLATION SYSTEM
- **STG-4T & STG-4TP** LOW ENERGY GAMMA SCINTILLATION SYSTEM
- **STB-3** ALPHA, BETA, GAMMA SCINTILLATION SYSTEM
- **IP53**

STAM-2



STB-3

DESCRIPTION:

STAM-2: Alpha Scintillation system combines a modified PAS-8 Alpha Scintillation probe and a TM-2 detector stand & drawer system for sample containment.

STAM-3: Beta/Gamma GM system substitutes a modified P-11 pancake probe for the Alpha Scintillation detector

SENSITIVITY: **STAM-2** to 5 MeV alphas, typically 80% - 85% of 2π. Completely insensitive to Betas/Gammas.

BACKGROUND: **STAM-2** Typically less than 1 count per minute.

SENSITIVITY: **STB-3** TO 60 KeV & up Betas, 30% - 100% of 2π. Dependent on energy of Beta & backing material.

BACKGROUND: **STB-3** Typically 30-50 counts per minute.

SAMPLE CAVITY: **STAM-2 & STB-3:** 2 1/16" dia x 3/8" deep

ELECTRONICS: **STAM-2 & STB-3:** LAM-SCA or TBM-3D

SPECIFICATIONS	ALPHA	ALPHA - BETA	LO-GAMMA	STG-4 +	NEUTRON
MODEL:	STAM-2	STB-3	STG-4	STG-4TP	STAM-5N
DIMENSIONS:	3-1/2" x 4-1/2" x 10"	3-1/2" x 4-1/2" x 4"	3-1/2" x 4-1/2" x 10"	3-1/2" x 4-1/2" x 13"	3-1/2" x 4-1/2" x 10"
SHIELDING:	NONE	1" LEAD	1" LEAD	1" LEAD	OPTIONAL
WEIGHT:	3-1/2 LBS	7-1/2 LBS	7-1/2 LBS	7-1/2 LBS	4 LBS
SHIPPING WEIGHT:	8 LBS	12 LBS	12 LBS	12 LBS	8 LBS

STG-4: Combines PGS-3 (1"x1" NaI(Tl) scintillation probe with TM-2.

STG-4T: Combines PGS-3I (37mm x 2mm NaI(Tl) scintillation probe with TM-2 1" lead shielding.

STG-4TP: Combines PGS-3IP (37mm x 2mm NaI(Tl) scintillation probe with TM-2 & PreAmp & 1" lead shielding.



TECHNICAL ASSOCIATES
OVERHOFF TECHNOLOGY

Divisions of  **US NUCLEAR CORP**

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

tagold@nwc.net

WWW.TECH-ASSOCIATES.COM