

# Alpha Beta Sample Counting System

Model: STG-ABS-42S and STG-ABS-42P

## Specifications: STG-ABS-42 Detector

	Alpha	Beta
<b>Photomultiplier Tube:</b>	2" (51mm) dia. 10-stage.	
<b>Scintillator:</b>	ZnS(Ag).	Plastic Scintillator, 0.02" thick.
<b>Plateau:</b>	200 Volt long.	
<b>Slope:</b>	Less than 5% per 100V.	
<b>Efficiency:</b>	Greater than 75% of 2 Pi. Pu <sup>239</sup> & Am <sup>241</sup>	Cs <sup>137</sup> 75% pf 2 Pi. Sr <sup>90</sup> Y <sup>90</sup> 100% of 2 Pi. C <sup>14</sup> is 24% of 2 Pi. Tc99 is 35% of 2 Pi.
<b>Typical Background</b>	Less than 3 <u>cpm</u>	Less than 60 <u>cpm</u>

### Weight and Dimensions – Standard Drawer System: STG-ABS-42P

Dimensions: 7" wide x 14" deep x 16" high

Weight: 16 lbs

### Weight and Dimensions – 2" Shielding Drawer System: STG-ABS-42S

Dimensions: 16" wide x 12" deep x 15" high

Weight: 90 lbs

## Specifications: PRS-2F Electronics

- Dual Display - Alpha and Beta
- Battery Operation
- Dual Alarms: Alpha and Beta, Individually Settable
- 2 Separate Scale Factors for Rate and Integrated up to 30 Minutes
- High Voltage 400V-1200V DC
- 0.1-99 sec Time Constant for Ratemeter
- 8 Digit LCD Bright Back Lit Display
- User Settable Units: cps, cpm, Bq
- RS-232 Serial Outputs
- Rechargeable Batteries with AC Adapter



« Alpha

« Beta



## TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

7051 ETON AVENUE, CANOGA PARK, CALIFORNIA 91303

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

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

DIVISIONS OF



USNUCLEARCORP

OTCQB-UCLE