



Electronics Cabinet



SSS-22-LAB
INSIDE OF CASE



SSS-22-LAB-SS
STAINLESS STEEL CASE

Laboratory Liquid Scintillation Counting System

Model SSS-22-LAB

Features

- Measures All Alpha - Beta Emitters and Low Energy Gamma Emitters – Including
 - » Tritium, Carbon-14, and Sulphur-35
- **Alpha / Beta Separation**
- Dual PM Tube Design For Coincidence Verification
- SSS-22-LAB – Three Sample Holder
- Settable Window Can be Set for Any Isotope
- Sample Type: Water, Food, Soil, Fabric, etc.
- **R-232** For Interface – Easy Conversion To USB for User's PC
- **IP 65**

Application

A Liquid Scintillation Counting System is useful for measurement of radionuclides in many materials including food, soil, water, blood, etc. The **SSS-22-LAB** Manual Liquid Scintillation Counting System accurately quantitatively measures Carbon-14 and most other radioactive materials. The **SSS-22-LAB** also measures Tritium & Exceptional for measuring low levels of Tritium, C-14, and S-35.

System Description

Measuring Principal: The most sensitive method of detecting and quantitating Beta emitting isotopes is to intimately mix the sample with liquid scintillation fluor and count each individual scintillation event with a photomultiplier counter.

Alpha / Beta Separation.

Count Verification for Tritium.

An Energy Analyzer further selects the pulses and delivers the true signal.

A Detection cell is optically coupled to selected photomultiplier tubes.

SSS-22-LAB has a **3 Vial Capacity** providing faster thru-put and easy comparison of sample to calibration standard vial or to background vial – **2 PM Tubes**

A User Manual is provided.



**TECHNICAL ASSOCIATES
OVERHOFF TECHNOLOGY**

7051 ETON AVENUE, CANOGA PARK, CALIFORNIA 91303
 P: 818-883-7043 | C: 818-836-0381 | F: 818-883-6103
 SALES@TECH-ASSOCIATES.COM | TECH-ASSOCIATES.COM

DIVISIONS OF



US NUCLEAR CORP

TICKER UCLE