



PRS-7-DSC
Electronics SSS-22P
and LR



SSS-22PAL
Suitcase Version
ALL-IN-ONE



PRS-7
Electronics SSS-12P-1



SSS-12P-1

Features

- Measures All Alpha – Beta Emitters and Low Energy Gamma Emitters – Including
 - Tritium, Carbon-14, and Sulphur-35 Radon
- Alpha / Beta Separation
- Tritium Ultra Low (**SSS-22-LR**)
- **SSS-22-MCA** Includes Gamma Isotope Identifier
- Dual PM Tube Design For Coincidence Verification
- SSS-12P-1 – Single Sample Holder
- SSS-22P – Three Sample Holder
- Settable Window Can Be Set For Any Isotope
- Diverse Sample Type: Water, Food, Soil, Fabric, etc.
- All In One Unit – (**SSS-22-PAL**) with MCA (**SSS-22PAL-ID**)
- **R-232 PC** Interface

Application

A Liquid Scintillation Counting System is useful for measurement of radionuclides in many materials including food, soil, water, blood, etc.

The **SSS-12P-1** and **SSS-22P** Manual Liquid Scintillation Counting Systems accurately quantitatively measures Carbon-14 and most other radioactive materials.

Portable Liquid Scintillation Counting System

Model Series - SSS-22P

SSS-12P-1, SSS-22P, SSS-22-MCA, SSS-22-PAL, SSS-22-PAL-ID, SSS-22-LR

The **SSS-22P** also measures Tritium and Exceptional for measuring low levels of Tritium, C-14, and S-35 Radon.

SSS-22-LR for Ultra Low-Level Tritium detection.

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-12P-1 has a **1 Vial Capacity – 1 PM Tube.**

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

SSS-22-PAL has a **3 Vial Capacity** as does the SSS-22P

providing faster thru-put and easy comparison of sample to calibration standard or to background. It is an **ALL-IN-ONE** SSS-22P contained within a suitcase with electronics, detectors, and sample holders for your convenience. With MCA Isotope Identifier **SSS-22PAL-ID**.

A User Manual is provided.



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