



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 is exceptional for measuring low levels of Tritium, C-14, S-35, Radon.

SSS-22-LR use for Ultra Low-Level Tritium, Carbon-14, Sulfur-35 detection.

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

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

SSS-22PAL 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**.



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