

FLOW THROUGH GAS PROPORTIONAL MONITOR AIRBORNE RADIATION

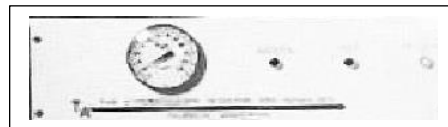
Model ~ SSS-33G1 and SSS-33G1-P

FEATURES:

- ALPHA, BETA, GAMMA COUNTING
- HIGH SENSITIVITY: Cts./dis. approximately 100%
- HIGH SELECTIVITY: PHA with variable window
- HIGH ACCURACY:
- GAS PROPORTIONAL DETECTOR
- ALARM: AUDIO/VISUAL
- ALARM WITH RELAY TO CONTROL OTHER DEVICES- USER SETTABLE
- DATA ARCHIVE & RETRIEVAL
- USB & ETHERNET
- **SSS-33G1-P**: A PRE-COMBUSTOR FOR HIGHER TEMPERATURES GC EFFLUENTS



FM-9 Electronics



Detector Thermostat Mixer
Assembly Housing

APPLICATION:

Chemical and Radiation Laboratories

Use as an accessory to a gas chromatograph (GC).

Use to detect radioactive material in the gas stream of the chromatograph.

DESCRIPTION:

- The **SSS-33G1** is a flow through gas counter consisting of an internal gas proportional detector, mixing chamber, thermostat assembly and a scaler, timer and pulse height analyzer. Digital data output via RS-232 interface for computer.
- Effluent from a gas chromatograph, is rapidly and accurately checked for radioactivity content with a minimum perturbation of gas flow.
- **Model SSS-33G1-P**: The detector can operate to 150° C with its own thermostat, and can optionally be operated with higher temperature GC effluents via a pre-combustor.
- Signals from the detector are sorted according to energy of the radiation emitted by the sample and dual or multiple, as well as single radionuclide tags can be monitored.
- Readout is digital via 7" monitor with Ethernet and USB port.
- If the carrier gas of the GC is a low boiling hydrocarbon, counting may be achieved without the addition of "counting gas". with other GC carrier gases.
- Counting gas (E.G. P-10 or Methane) is added to the exit sample from the GC via a proportioning pump.
- Information is furnished in real time and output signal is available to operate internal switches or controls on any preset level within the range of the instrument.



TECHNICAL ASSOCIATES

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FLOW THROUGH GAS PROPORTIONAL MONITOR AIRBORNE RADIATION

Model ~ SSS-33G1 and SSS-33G1-P

SPECIFICATIONS:

Detector:	Gas proportional flow through internal counting chamber Active Volume: 80cc.
Flow Rate:	Matches GC output.
Temperature:	Thermostat adjusts from ambient plus 5 C to 150 C.
Range:	Counts: 1 to 1 million.
Time:	1 sec. to 100 min. crystal controlled.
Modes:	Pulse Height Discriminator or 1, 2, 3 Energy Windows.
Operation:	Latched or continual update.

Weight & Dimensions:

Housing Detector Thermostat Mixer Assembly: 13.6" W x 3.9" H x 9" D.

Weight: 10 pounds.

Electronics:	FM-9 Wall Mount
Power:	115V, 60 Hz; Optional 230V, 50-60Hz.
Display:	7" Digital Monitor
Alarm Indicator:	On screen
Data Output:	Ethernet & USB
Construction:	Enameled aluminum case
Weight:	12 pounds.
Dimensions:	11"W x 11"H x 11"D.
Options:	Sample pre-combustor, Model SSS-33G1-P . Low noise, air pump



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