



FM-9 Electronics



Detector Thermostat Mixer
Assembly Housing

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 and Retrieval
- USB and Ethernet

Application

Chemical and Radiation Laboratories.

Use as an accessory to a gas chromatograph.

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

Flow Through Gas Proportional Monitor Airborne Radiation

Model: SSS-33G1

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.
- The detector can operate to 150o C with its own thermostat, and can optionally be operated with higher temperature GC effluents via a pre-combustor (Model SSS-33P).
- 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.



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Flow Through Gas Proportional Monitor Airborne Radiation

Model: SSS-33G1

Description

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 and Dimensions:

Housing Detector

Thermostat Mixer Assembly:	13.6" W x 3.9" H x 9" D.
Weight:	10 pounds.

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



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