

FLOW THROUGH GAS MONITOR

Model # SSS-33G1

FEATURES:

- HIGH SENSITIVITY: Cts./dis. approximately 100%
- HIGH SELECTIVITY: PHA with variable window
- HIGH ACCURACY: Repeatable settings on all functions

DESCRIPTION: The **SSS-33G1** is a flow through gas counter model SSS-33, consisting of an internal gas proportional detector, mixing chamber, thermostat assembly and a scaler, timer, pulse height analyzer (Model SSS-33), with analog output for optional strip chart recorder and digital output for printer or for optional RS-232 (Model MCC-23) interface for computer.

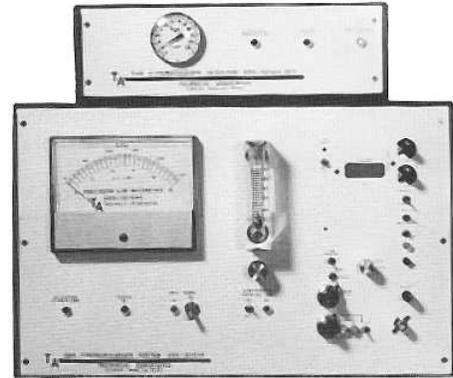


Figure 1: SSS-G1

APPLICATION: 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 150°C with its own thermostat, and can optionally be operated with higher temperature GC effluents via a pre-combustor (Model S33P). 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 a clock/counter and permanent record can be achieved on a serial printer, or via D/A converter on a strip chart recorder. Output is also furnished for interface to a computer via RS-232, allowing direct processing of the data generated. 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 external switches or controls on any preset level within the range of the instrument.

SPECIFICATIONS:

Detector:	Gas flow internal counting chamber 80cc. Flow Rate: Matches GC output. Temperature: Thermostat adjusts from ambient plus 5°C to 150°C.
Range:	Counts: 1 to 999,999. Time: 1 sec. to 99 min. crystal controlled. Modes: Discriminator or Window. Operation: Latched or continual update.
Power:	115V, 60 Hz; Optional 230V, 50-60Hz.
Dimensions:	Detector Thermostat Mixer Assembly: 13.6"W x 3.9"H x 9"D. Electronics: 19"W x 12"H x 11"D.
Total Weight:	29 pounds.
Shipping Weight:	44 pounds.
Options:	Sample combustor, Model S33P. Interface for computer or printer, Model MCC-23. Datalogging Software. Settable Alarm with relay to control other devices.

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TECHNICAL ASSOCIATES

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