Ionization Chambers

Model IC-1
Model IC-2

The IC-1 and IC-2 ionization chambers are used for detection and measurement of Beta and Gamma radiation or Gamma radiation exclusively.

They can be installed in “hot” locations in a laboratory or reactor installations where it is desirable to monitor for control or health and safety purposes.

Model IC-1 has approximately one-half of the wall area cut away in the form of four windows which are fitted with 0.005” thick Mylar.

It is sensitive to soft radiation and is used for the detection and measurement of gamma radiation.

- Active volume: 2 liters (18.5cm long x 12cm diameter)
- Dimensions: 20cm L x 13cm W x 13cm D
- Weight: 3 pounds
- Chamber Wall Construction: Phenolic

- High voltage and ion current connector (UHF style) is located at one end of the chamber

- The collector is an aluminum rod with fins to prevent recombination at high fields

- Insulators: Teflon

- Wall Mounting Brackets: Included

Gamma Energy:	IC-1 is sensitive Down to 2KeV; energy independent (15%) 4KeV to 6MeV IC-2 is sensitive down to 10KeV; energy independent (15%) 20KeV to 7MeV
Beta Energy:	Sensitive down to 0.15MeV; energy independent (25%) 0.4MeV to 7MeV (IC-1 Only)
Temperature:	Operating range between -30oC and 65oC; drift less than -0.4% per oC at room temperature
	0-95% humidity non-condensing

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