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 (low energy) 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 -22ºF – 145.5ºF (-30ºC and 65^{o}C)
Driftless than -0.4% per ^{o}C at room temperature.
0-95% humidity non-condensing.

CBRN Real - Time Air & Water Specialists
TECHNICAL ASSOCIATES
7051 ETON AVENUE, CANOGA PARK, CALIFORNIA 91303
PHONE: 818-883-7043 | FAX: 818-883-6103
SALES@TECH-ASSOCIATES.COM | TECH-ASSOCIATES.COM | USNUCLEARCORP.COM
DIVISION OF US NUCLEAR CORP OTCQB-UCLE