

【Description】

X-rays and Gamma-ray have not originally ionized function. They are, however, ionized by their electron which get energy as a result of Photoelectric, Compton and Pair production effects. Our Ionization chamber is DC Current-type on the basis of the above effects. The both windows are equipped with thin polyimide film for the rays incident path.

【Main Specifications】

- ① Measured Radiation X-rays, Gamma-rays
- ② Operation Power For Air Ambient : 3000V Max
For Argon Gass : 2000V Max
It varies from gas pressure and intensity of incident radiation
- ③ Voltage-Resistance Over 2000V under 1 atm. of dry air
- ④ Leakage Less then 2Torr per 5 min under 10Torr inside pressure
It's an aim filled-gas substitution
- ⑤ Output Signal Plus output under a direct current and a plus operation voltage
Negative output under a direct current and a negative operation voltage
- ⑥ Connector For Signal : BNC-HV
For H. V. : SHV
- ⑦ Incident Window Material polyimide 50(μ m) thickness
- ⑧ Main Dimensions as follows;



Model	Electrode Length (mm)	Chamber Length (mm)	Distance Between Electrodes (mm)	Window Height (mm)	Approximately Weight (kg)
S-1194A1	140	188	10.0	8	2.4
S-1194B1	140	188	12.5	10	2.4
S-1194C1	140	188	18.0	15	2.4
S-1196A1	280	328	10.0	8	3.8
S-1196B1	280	328	12.5	10	3.8
S-1329A1	33	49	14.0	10	0.5

※This specification is changed without notice for improvement of a product.



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