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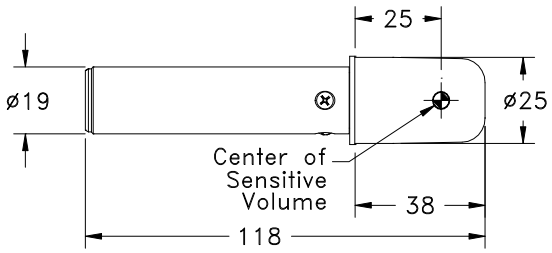
10X6-6
The General Purpose, in Beam Chamber

A well documented wide dynamic range chamber with many dose and rate applications. Also recommended for measuring exposure time in Auto Dose mode. The range of time (pulse width) extends from 10ms to 9999s.

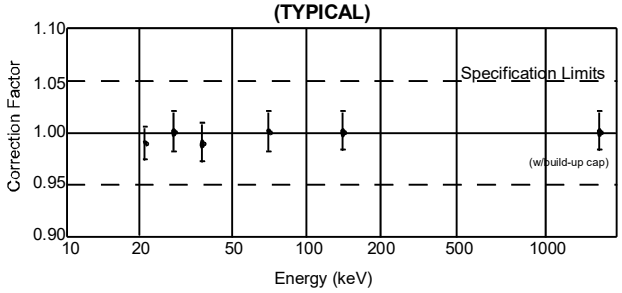
Specifications[1]

Rate Specifications	2 µR/s - 17 R/s 20 nGy/s - 149 mGy/s
Exposure Specifications	10 µR - 59 kR 100 nGy - 516 Gy
Cine Specifications:	0.1 µR/f - 1 R/f 1 nGy/fr - 10 mGy/f
Auto Dose Threshold	2 mR/s 19 µGy/s
Calibration Accuracy:	±4% using X-rays @ 60kVp & 2.8 mm Al HVL
Exposure Rate Dependence:	±5%, 0.4 mR/s to 80 R/s, up to 500 R/s for 50 us pulses
Energy Dependence	±5%, 30 keV to 1.33 MeV (with build-up material)
Construction:	Concentric cylinder. Polycarbonate walls and electrode. Conductive graphite interior coating. 6cm^3 active volume. 0.05kg
Environmental:	15° - 35° C working, 0° - 60° C storage, < 80% RH (non-condensing), 70-106 kPa
Minimum Field Size[2]:	25 mm x 38 mm



Dimensions in millimeters

-6 Ion Chamber
Energy Dependence
(TYPICAL)



Warning: Introduction of material other than air behind the chamber will cause its response to change due to backscatter.

[1] Specifications apply when used with Accu-series control unit.

[2] A field size greater than the Minimum Field Size by at least 10 mm recommended.