

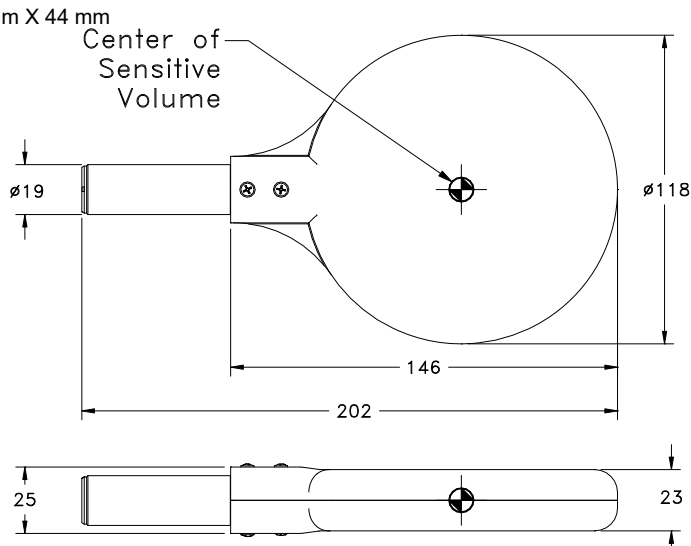


10X6-180
The Leakage and Low Level Measurements Chamber

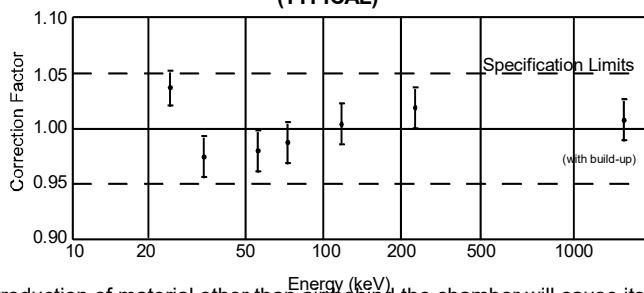
For leakage measurements. Cross-section of 100cm². Also for very low dose to image receptor.

Specifications¹

Rate Specifications	100 nR/s - 0.6 R/s 1 nGy/s - 4.9 mGy/s
Exposure Specifications	200 nR - 2.0 kR 2 nGy - 17 Gy
Auto Dose Threshold	72 µR/s 1 µGy/s
Calibration Accuracy:	±4% using X-rays @ 150 kVp & 10.2 mm Al HVL
Exposure Rate Dependence:	+5%, 20 mR/hr to 2000 R/hr
Energy Dependence	±5%, 30 keV to 1.33 MeV (with build up material)
Construction:	polycarbonate walls and electrode; conductive graphite exterior coating; 180 cm ³ active volume; 0.11 kg
Environmental:	15° - 35° C working, 0° - 60° C storage, < 80% RH (non-condensing), 70-106 kPa
Active Area:	100 cm ² (Complies with CFR 21)
Response Time	Wave mode on: <5 ms (aka "fast") Wave mode off: 100ms (aka "slow")
Minimum Field Size ² :	44 mm X 44 mm



-180 Ion Chamber
Energy Dependence
(TYPICAL)



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

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

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