Radcal®
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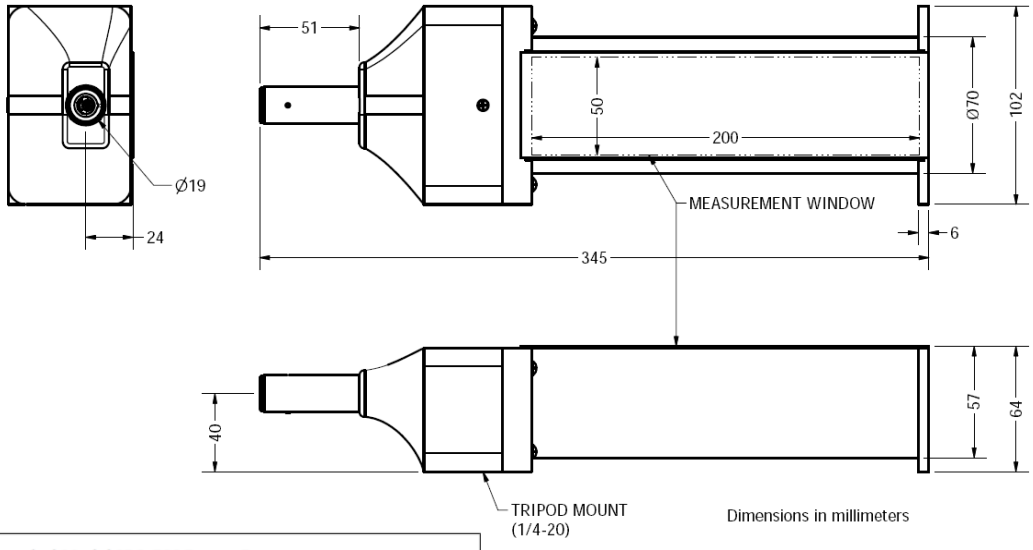
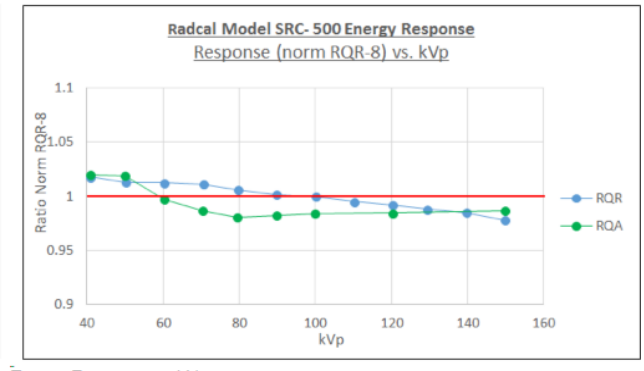
10X6-500
Leakage Measurement Chamber

A single sensor leakage measurement solution for very low-level radiation measurements such as shielding, leakage, irradiators and environmental that is part of the Accu-Gold family of systems. Equivalent to the Fluke® 96010A Ion Chamber used in the Fluke® Radiation Leakage Detection System, this chamber meets 21 CFR 1020.30(k) for leakage measurement requirements.

Specifications[1]

Rate Specifications :	62 nR/s - 130 mR/s 0.6 nGy/s - 1.2 mGy/s
Exposure Specifications :	1 nR - 45 R 0.01 nGy - 0.4 Gy
Calibration Accuracy:	±4% using X-rays @ 100 kVp & 3.96 mm Al HVL
Exposure Rate Dependence:	<5% up to 5 Gy/hr (570 R/hr)
Energy Dependence:	±5%, 40-150kVp (RQR and RQA Beam Qualities)
Construction:	Truncated cylinder, polycarbonate walls and electrode; conductive graphite exterior coating; 522 cm^3 active volume; 0.54 kg
Environmental:	15° - 35° C working, 0° - 60° C storage, < 80% RH (non-condensing), 70-106 kPa
Minimum Field Size[2]:	200 mm X 70 mm





Energy Response vs kVp

[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.