Radcal

10X6-60DAP

The 'DAP' Chamber

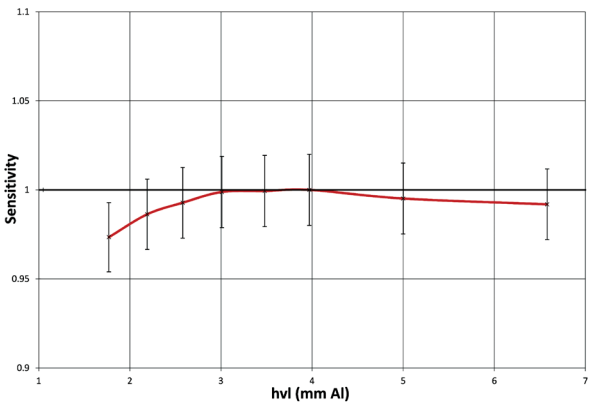
Ideal for Dose Area Product (DAP) measurement of small beams such as Pan-Dental or CBCT-Dental.

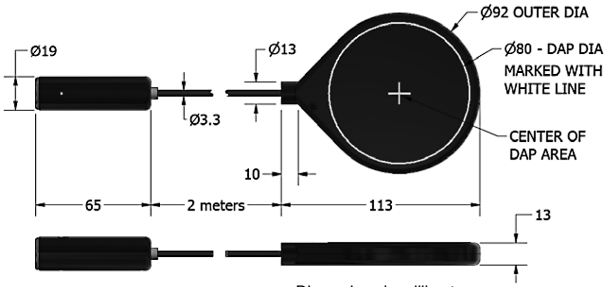
- Easy to use chamber mounting and alignment fixture that minimizes set-up time (Mounting holder included)
- Auto ranging and convenient unit selection for Gy-m^2 or Gy-cm^2
- Flat energy response over all RQR and RQA beams
- Add to your existing Accu-Gold system – no calibration adjustments, just update your software and plug it in
- Use with an Accu-Gold multi-sensor to simultaneously measure DAP, kVp, and hvl



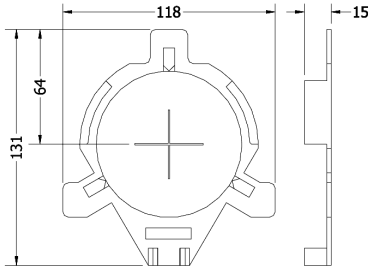
Specifications[1]	**DAP Mode**	**Dose Mode (AG3/T3 only)**
Rate Specifications	11 pGy-m^2/s - 110 µGy-m^2/s	2 nGy/s - 19 mGy/s (200 nR/s - 2 R/s)
Exposure Specifications	56 pGy-m^2 - 290 mGy-m^2	10 nGy - 52 Gy (1 µR - 5.9 kR)
Exposure Rate Dependance	<5% over rated rate specification	±5%, 20 µGy/min to 2 Gy/min (2 mR/min to 200 R/min)
Calibration Accuracy:	±5% using X-rays @ IEC RQR-8 100 kV & 4.0 mm Al HVL	+5% using X-rays @ IEC RQR-8 100 kV & 4.0 mm Al HVL
Energy Dependence	±5%, RQR-3 to RQR-10 (50 kV-1.8 mm Al HVL to 150 kV-6.6 mm Al HVL)	+5%-10%, RQR-3 to RQR-8 (50 kV-2.4 mm Al HVL to 150 kV-4.6 mm Al HVL)
Chamber Beam Attenuation	6% ±2% over energy range RQR3 to RQR10	
Construction	Parallel plate. Polycarbonate wall. Conductive graphite exterior coating; 60 cm^3 active volume, 2 meter low noise triax cable; 0.13 kg	
Environmental:	15° - 35° C working, 0° - 60° C storage, < 80% RH (non-condensing), 70-106 kPa	

Energy Response
Correction Factor
vs HVL (mmAl)
(Typical)





Dimensions in millimeters



Mounting Holder

[1] Specifications apply when used with Accu-Gold series digitizer.

THE GOLD STANDARD IN RADIATION MEASUREMENT