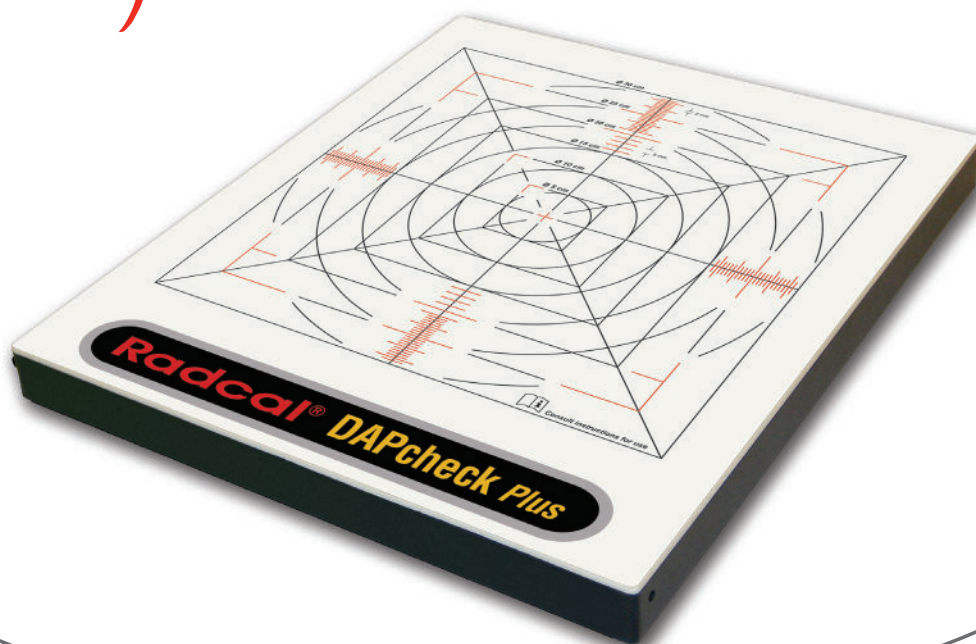


Radcal

DAPcheck Plus

Quick and Easy Calibration Check - Of Installed DAP Meters

Verify X-ray DAP



Traceable Measurements - The DAPcheck Plus is a reference class instrument for "field calibration" of patient dose measurement and control systems thus ensuring the validity of inter-institution patient dose comparisons.

FAST AND ACCURATE - Utilizing the high speed digitization of the Accu-Gold digitizer, the DAPcheck Plus displays DAP and DAP Rate of accumulated DAP on exposure completion. Designed as an accessory to the Accu-Gold.

DEPENDABLE - A tough ABS plastic housing protects the ion chambers and electronics that incorporate several patented features to ensure long term stability.



THE GOLD STANDARD IN RADIATION MEASUREMENT

DAPcheck Plus KEY FEATURES AND BENEFITS:

KEY FEATURES

Complete DAP meter assessment:

Symmetrical Response:

Remote Control Software:

Optical and radiographic alignment markers:

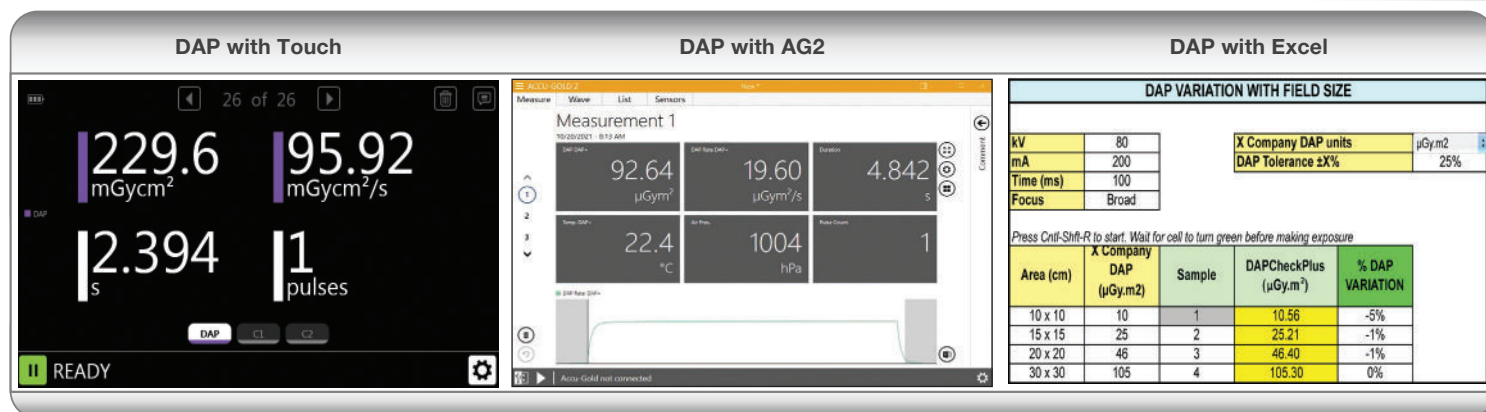
BENEFITS

Measures DAP and DAP Rate over a full range of field sizes and beam qualities

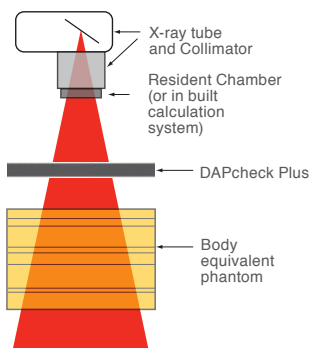
Can be used with under couch tubes without the need for inversion

Automatic data capture with customizable templates

Setting reference field sizes made simple



APPLICATIONS



DAP CALIBRATION

- DAP linearity with dose and field size.
- DAP calibration at the patient plane or at a reference distance.

SPECIFICATIONS / TECHNICAL DATA:

Rate Specification:

Range:
Resolution:

1 μGy-m²/min – 0.9 Gy-m²/min
1 nGy-m²/min

Exposure specification:

Range:
Resolution:

1 nGy-m²-1 Gy-m²
0.01 nGy-m²

Rated range of use:

40 – 150 kV

Calibration accuracy:

±3% using X-rays @ 100 kV (IEC 61627 RQR 8)

Accuracy over range:

±10% Inclusive of all uncertainties (e.g. temperature, pressure, rate, area & beam quality)

Chamber attenuation:

Equivalent to 0.6 mm Al @ 70 kV 2.5 mm Al total filtration

Active exposure area:

Max: 300 x 300 mm – Min: 15 x 15 mm

Note: a small internal support is located at the chamber center and that area should be avoided when using a small beam

Construction:

ABS housing, 350 mm x 410 mm x 35 mm (L x W x H), 3.32 kg, meets IEC 60520 IP 41

Automatic temperature/pressure compensation over the range of 80 – 106 kPa, +15 to +35 C, 10-80% rel humidity (max 20 g/m³) One-meter disconnect cable included

All specifications subject to change.



Model
DAPCKP+

PORTABLE CONVENIENT CARRY CASE

Foam Elevation Support Stand fits inside the interior of the Carry Case lid.

