

# Full Featured Ion Chamber and Solid-State Measurement System



Radcal® Accu-Gold+



*The Accu-Gold+ is Radcal's flagship product offering support for it's entire sensor suite and advanced diagnostic functionality.*

## Systems Solutions

The Accu-Gold+ provides a tailored solution to your individual diagnostic measurement needs when paired with:

- Radcal's broad selection of industry leading sensors
- user friendly display that facilitates recording and reporting of results quickly and easily
- carry case to transport your custom solution securely and conveniently

## Sensor Selection

The Accu-Gold+ supports Radcal's full line of Ion Chambers, Solid-state Dose Diodes, and Solid-state Multisensors featuring the most accurate and compact stacked sensor design available.

## Software and Display Technology

Radcal offers a number of display options including a compact tablet, a full-size tablet with keyboard, or you can use your own computer for a fully integrated and economical solution. In each case, the Accu-Gold and Accu-Gold Excel software provides a rich, user friendly, and automated environment in which to record, view, and archive your measurements.

## Functionality

The Accu-Gold+ provides a comprehensive set of parameters including Dose, Dose Rate, Waveform, Exposure time, kV, HVL, Filtration, mA, Light measurement, and more.

## Modalities

The Accu-Gold+ is well suited for Radiography, Fluoroscopy, Mammography, CT, and Dental applications.



*Unparalleled Accuracy,  
Experience,  
Versatility*

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THE GOLD STANDARD IN RADIATION MEASUREMENT

# ACCU-GOLD+ FEATURES, BENEFITS AND SENSORS:

## KEY FEATURES

**Solid State and Ion chamber sensors**

**Simultaneous measurements**

**Customizable view screens**

**Plug and Play sensors**

**Real time waveforms**

**Data recall**

**Matrix display**

**Auxiliary port**

**Scope type waveform analysis**

**Export data**

## BENEFITS

Multiple solutions for your measurement needs, no compromising

Up to 16 user selectable parameters viewable from each measurement

Create data display profile either before or after the exposure

Truly Interchangeable Accu-Gold+ Multisensors with other Rapid-Gold+ and Accu-Gold+ meters

Real time simultaneous dose rate, kV, and mA waveforms

Entire measurement sessions can be quickly recalled and added to at any time

Use Matrix display to view measurement results from the control room

Provision for future sensors

Analyze kV, dose, and mA waveform measurement values in detail

Export data to Excel, user templates or clipboard

### Ion Chamber Dose Sensors

#### 10X6-6

General Purpose



#### 10X6-0.6CT

Modern Wide Beam Multi-Slice CT



#### 10X6-6M

Mammography



#### 10X6-3CT

Computed Tomography Dose Index (CTDI)



#### 10X6-60

'Service' and Image Intensifier



#### 10X6-180

Leakage and Very Low Dose Rates



#### 10X6-1800

Radiation Protection



#### 10X6-0.6

High Dose Rate



#### 10X6-0.18

High Dose Rate



### mA, mAs Sensors

#### 90M9-AG

Invasive mA / mAs



#### 90M10-AG

Non-Invasive mA / mAs



### Light Sensor

#### AGLS

Luminance / Illuminance



### Solid State Dose Sensors – Dose, Rate, Time and Pulses

#### DDX6-W

Diagnostic range



#### DDX6-WL

Diagnostic range (Low dose rates)



#### DDX6-M

Mammographic range



### Solid State Multisensors - Dose, kV, Time, HVL, Filtration And More...

#### AGMS-DM+

Diagnostic and Mammographic range



#### AGMS-D+

Diagnostic range



#### AGMS-M+

Mammographic range



### Displays

The portable, easy to use Tablet

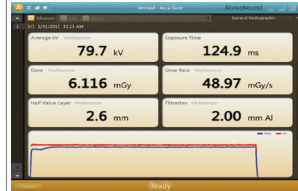


The full-function Display with Keyboard



... or achieve a cost-effective and well-integrated solution by using your own computer

### Configurable data screen with waveform



Data parameters selected are displayed along with dose rate, kV and mA waveforms.

### Matrix Display

Average kV	62.4	Exposure Time	387.8 ms	Half Value Layer	2.292 mm	Filter	11.50 mR
Air Pressure	1005.0	Temperature	23.6	Filtration	2.578 mm	Pulse Count	24
kVp	66.1	Half Value Layer	12.30 mm	Dose Rate	31.72 mR/s	Filter	Al
Trigger Sensor	Multi-Sensor	Pulse Frequency	60.1 Hz	Dose Rate	29.64 mR/s	Dose Average kV	64.6 kV

Matrix display can show up to 16 different parameters in one measurement. By suppressing the waveforms the measurement can be seen from a distance.

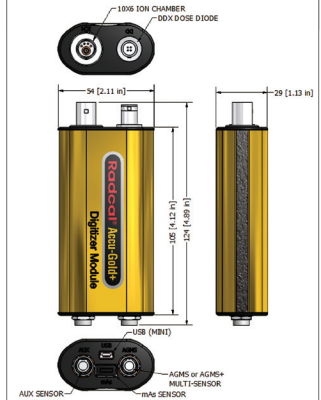
### Accu-Gold Nugget – WiFi Adapter for the Accu-Gold Family of Digitizers

#### AGNugget

Recognizing that the system display and x-ray sensor are often widely separated, wireless capability eliminates the need to be tethered by an unwieldy cable. Simply snap NUGGET onto an Accu-Gold Family Digitizer and eliminate the USB cable. The NUGGET will power your Digitizer and transmit your measurement data after each exposure.



#### AGDM+



Full Specifications & Further Information: [www.radcal.com](http://www.radcal.com)