## *Solutions* - *for all your measurement needs*

# High Speed Digitization

**Gold Standard Ion Chamber Sensors**

**Solid State Sensors**

**Accu-Gold Customizable Software**

**XLGold (Excel Based) Customizable Software**

### *For Radiography, Fluoroscopy, Mammography, CT, Dental, and Survey.*

**High Productivity through Connectivity and Expansion Capability**

Model AGDM

**NEW ! -** Accu-Gold is the next generation X-ray measurement system at the heart of which is a compact Multi-Function Digitizer Module and Powerful Intuitive Software.

**CHOICE OF SENSORS -** Use the latest technology in Solid State Sensors, Gold Standard Ion Chamber Sensors, mA and Light Sensors.
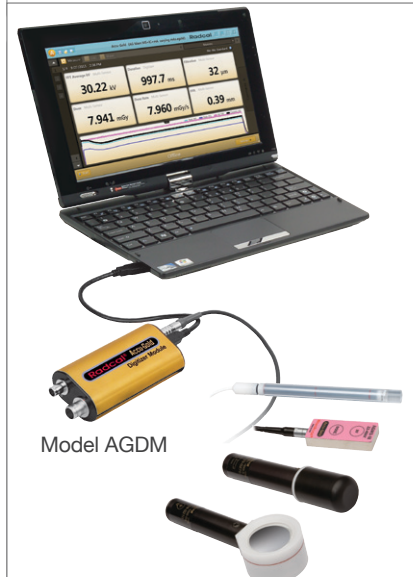
**ECONOMICAL AND VERSATILE -** Accu-Gold transforms your computer into a compact, cost effective, and Multi-Function X-ray Analyzer.

**HIGH PRODUCTIVITY -** Accu-Gold has features to increase your productivity such as: quick setup, ease of use, automatic settings and multiple parameter data capture, unique remote operation, easy data analysis, and instant data recall.

**DESIGNED FOR EXPANSION -** With an Auxiliary sensor input and customizable software, you have the capability to expand to meet future needs.

**CHOICE OF SOFTWARE -** Both Accu-Gold software and XLGold (Excel based) software are available for your choice of use and allow you to customize your measurement display. Template builder for XLGold also provided to allow you to customize your own templates.

### *THE GOLD STANDARD IN RADIATION MEASUREMENT*

| KEY FEATURES | BENEFITS |
|---|---|
| Solid State and Ion chamber sensors | Multiple solutions for your measurement needs, no compromising |
| Simultaneous measurements | One exposure measures dose, dose rate. kVp, time, filtration, HVL, and more |
| Customizable view screens | Create data display profile either before or after the exposure |
| Plug and Play sensors | No manual correction factor entry for any sensor including ion chambers |
| Flash waveforms | Real time simultaneous dose rate, kV, and mA waveforms |
| Data recall | Entire measurement sessions can be quickly recalled and added to at any time |
| Big View | Use Big View to view measurement results from the control room |
| Auxiliary port | Provision for future sensors |
| Scope type waveform analysis | Analyze kV, dose, and mA waveform measurement values in detail |
| Export data | Export data and waveforms to Excel, user modifiable templates and clipboard |

## Ion Chamber Dose Sensors

**10X6-6**
General Purpose

**10X6-6M**
Mammography

**10X6-60**
'Service' and Image Intensifier

**10X6-0.6**
High Dose Rate

**10X6-0.6CT**
Modern Wide Beam Multi-Slice CT

**10X6-3CT**
Computed Tomography Dose Index (CTDI)

**10X6-180**
Leakage and Very Low Does Rates

**10X6-1800**
Radiation Protection

**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

**DDX6-W**
Diagnostic range

**DDX6-WL**
Diagnostic range (Low dose rates)

**DDX6-M**
Mammographic range

## Solid State Multi-Sensors - Dose, kV, Time, HVL, Filtration

**AGMS-D**
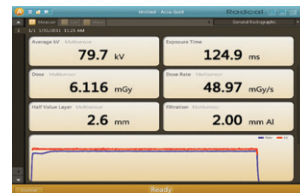Diagnostic range (40 kV - 160 kV)

For low does rates, see above sensors.

**AGMS-M**
Mammographic range (22 kV - 49 kV)

### Configurable data screen with waveform

| Average kV | | Exposure Time | |
|---|---|---|---|
| 79.7 kV | | 124.9 ms | |
| Dose | | Dose Rate | |
| 6.116 mGy | | 48.97 mGy/s | |
| Half Value Layer | | Filtration | |
| 2.6 mm | | 2.00 mm Al | |

Choose which data parameters you want displayed along with waveforms.

### Big View Display

| Average kV | | Exposure Time | |
|---|---|---|---|
| 79.7 kV | | 124.9 ms | |
| Dose | | Dose Rate | |
| 6.116 mGy | | 48.97 mGy/s | |
| Half Value Layer | | Filtration | |
| 2.6 mm | | 2.0 mm Al | |

Big View enables remote like measurements and all measurements are available for later review.
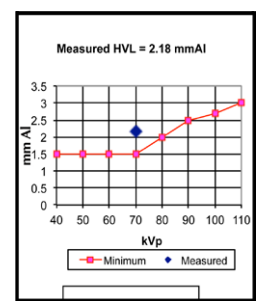
### Chamber Adaptor / Extension Cable

10A96
10x5 Series Chamber Adaptor

90E6-2 - Ext Cable

### DAPcheck Plus Sensor

**DAPCKP**

### XLGold (Excel Based) Customizable Template Example

| kVp Accuracy | | | |
|---|---|---|---|
| Indicated | Measured | % Deviation | Result |
| 60 | 61.66 | 2.69 | PASS |
| 60 | 61.76 | 2.85 | PASS |
| 60 | 61.66 | 2.69 | PASS |
| 0 | 0.00 | 100.00 | |
| 0 | 0.00 | 100.00 | |
| 0 | 0.00 | 100.00 | |
| 0 | 0.00 | 100.00 | |
| 0 | 0.00 | 100.00 | |
| 0 | 0.00 | 100.00 | |
| 0 | 0.00 | 100.00 | |

| Timer Accuracy | | | |
|---|---|---|---|
| Indicated | Measured | % Deviation | Result |
| 200 | 199.3 | 0.4 | PASS |
| 200 | 199.4 | 0.3 | PASS |
| 200 | 199.3 | 0.4 | PASS |
| 200 | 199.3 | 0.4 | PASS |
| 200 | 199.3 | 0.4 | PASS |

Measured HVL = 2.18 mmAl

**Full Specifications & Further Information: www.radcal.com**