

# Stand-Alone Diagnostic X-ray Measurement System

Radcal® Touch Series



技术咨询和询价：010-68940148

**Stand-alone battery operated radiation test instrument for X-ray Service and QA of Radiography, Fluoroscopy, Mammography, CT and Dental applications**

## Systems Solutions

The Accu-Gold meter provides a tailored solution to your diagnostic measurement needs by incorporating the largest capacitive touchscreen in the industry for a bright and straightforward user experience. The Touch Series provides the accuracy and reliability you've come to expect from Radcal in an economical package.

- Touch Series - A standard meter with display for quick, easy and reliable measurements. Ready to use in a flash.
- Touch Professional Series – a meter with display and USB or Wi-Fi capability for extended use with your laptop or tablet computer. Using the Accu-Gold Windows application users are able to access a rich set of advanced capabilities such as automated Excel-based reporting and waveform analysis

## Sensor Selection

The Touch series expands on the current Accu-Series of instruments and is available for use as an Accu-Gold+ Touch, Rapid Gold+ Touch and Accu-Dose+ Touch system. The Accu-Gold+ Touch provides access to the full lineup of Accu-Gold sensors, the most extensive line of x-ray quality assurance sensors available. The Rapid Gold+ Touch will be an easy choice for those who prefer solid state sensors alone. If you only need to measure Dose, Accu-Dose+ Touch is a cost effective meter with compatibility to all of Radcal's world class ion chambers.

Current Accu-Gold+ instrument owners can upgrade to a Touch Pro Series system equipped with a built-in display and wireless connectivity for a fraction of the cost of a new Touch Pro system.

A smaller version of the Radcal Touch Series instrument, shown within a circular frame. It has the same design as the larger one, with a black frame and a yellow border around the screen. The screen displays similar radiation measurement data: 21 kV, 12.436 mm-AI HVL, 13.24 µGy, and 142.5 mS.

*Stand-Alone Instruments*

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# RADCAL TOUCH SERIES COMPATIBILITY AND FEATURES TABLE:

Model Number	Accu-Gold+		Rapid-Gold+		Accu-Dose+	
	Touch AGT-AG	Touch Pro AGT-P-AG	Touch AGT-RG	Touch Pro AGT-P-RG	Touch AGT-AD	Touch Pro AGT-P-AD
<b>Functional Compatibility</b>						
Dose	•	•	•	•	•	•
Dose Rate	•	•	•	•	•	•
Exposure Time	•	•	•	•	•	•
Pulse Count	•	•	•	•	•	•
kV	•	•	•	•		
HVL	•	•	•	•		
Filtration	•	•	•	•		
Current (mA)	•	•	•	•		
Luminance and Illuminance	•	•				
Scatter and Leakage	•	•			•	•
DAP	•	•			•	•
<b>Sensor Compatibility</b>						
Accu-Gold Multi-Sensors (AGMS)	•	•	•	•		
Accu-Gold Ion Chambers (10x6)	•	•			•	•
DAP 60 Chamber	•	•			•	•
Accu-Gold Dose Diodes (DDX6)	•	•	•	•	•	•
DAPChkp+	•	•				
mA and mAs Sensor (90M)	•	•	•	•		
Light Sensor (AGLS)	•	•				
<b>Computer Features</b>						
Accu-Gold Windows Application		•		•		•
Waveforms	•	•	•	•	•	•
Excel Reporting		•		•		•
iOS and Android Applications		•		•		•
USB Connectivity		•		•		•
Wireless Connectivity		•		•		•

## Physical Specifications

Dimensions	114 mm x 92 mm x 158 mm	(4.50" x 3.63" x 6.21")
Weight	700 g	(1.6 lbs.)

## Display Specifications

Size	5"
Resolution	800 x 480
Touch Type	Capacitive Touchscreen
Display Type	LCD TFT TN equipped with chemically tempered float glass, Pencil hardness 7H, LED backlighting
Display Orientation	Automatically flips based on screen orientation

## Environmental Specifications

Operating temperature	15 °C to 35 °C
Pressure	60 to 105 kPa
Humidity	Up to 80% RH or 20 g/m <sup>3</sup>
Storage Temperature	0 °C to +60 °C

## Serial Communication Specifications

Flash drive	USB A 2.0
USB mode	USB B 2.0 micro (Touch Pro)

## Wireless Communication Specifications (Touch Pro)

Network Standard Support	IEEE 802.11b/g/n
Frequency band	2.400 - 2.472 GHz, channels 1-11
Antenna power	<10 mW/MHz
Connectivity	Access Point mode
Wireless Security	WPA2 secure encryption
Networking Protocol	TCP/IP IPv4
Regulatory Approvals	EU (ETSI), FCC, IC (Industry Canada), Japan (Telec)

## Power Specifications

Battery	5.5 Ah Li-Poly
Battery Life	> 8 Hours under normal usage
Charger	1.7A 5V
Charging Time	<5.5 Hours (maximum to fully recharge)

## Measurement Specifications

Sensors	Entire Accu-Gold family of sensors (see separate specifications)
Storage	16 GB (>100,000 exposures)
Application Software	Accu-Gold 2.0 (Touch Pro)

## Conformance Specifications

EMC*	EN 61326-1 (2013) Group 1 Class B, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-6, EN 61000-4-5, EN 61000-4-11, EN 61000-3-2, EN 61000-3-3
PERFORMANCE	IEC 61674

## Environmental Directives

Compliance with 2002/06/EC (WEEE) Directive.  
Compliance with 2011/65/EU (RoHS) Directive.  
Compliance with REACH (EC 1907/2006).

