# THE GOLD STANDARD IN RADIATION MEASUREMENT

# Stand-Alone Diagnostic X-ray Measurement System

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

System Solutions

At T3's core is its unique ability to use profiles. Machine Specific Profiles are used to define the measurement process. They spell out trigger parameters, filtration requirements, the breakdown of the measurement (such as having a scout pulse) and the end of the pulse without user intervention. Special calibrations are built into the profiles eliminating the need to install calibration files. Profile selection allows you to specify different techniques for special measurements. Profiles save time by eliminating manual user settings and often only one exposure is needed. For example, when using the Mammo Combo Mode Profile, with a Single exposure kV, Time, dose, and dose rate are captured for each region. T3's CBCT Profile allows for the capture of DAP, kV and Dose with one exposure. Frequently used Profiles can be saved as favorites.

- T3 Touch Series A standard meter with customizable display for quick, easy and reliable measurements. Ready to use in a flash.
- T3 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 Selections**

The T3 series expands on the current Accu-Series of instruments and is available for use as an Accu-Gold+ T3, Rapid Gold+ T3, and Accu-Dose+ T3 system. The Accu-Gold+ T3 Touch provides access to the full lineup of Accu-Gold sensors, the most Dynamic line of x-ray quality assurance sensors available. The Rapid Gold+ T3 will be an easy choice for those who prefer solid state sensors alone. If you only need to measure Dose, Accu-Dose+ T3 is a cost-effective meter with compatibility to use all of Radcal's world class ion chambers and solid-state dose diodes.

Current Accu-Gold+ instrument owners can upgrade to a T3 Pro Series system equipped with a built-in display and wireless connectivity for a fraction of the cost of a new T3 Pro system.



# RADCAL T3 SERIES COMPATIBILITY AND FEATURES TABLE:

		Accu-Gold+		Rapid-Gold+		Accu-Dose+	
	T3	T3 Pro	T3	T3 Pro		T3 Pro	
Model Number	AGT3-AG	AGT3-P-AG	AGT3-RG	AGT3-P-RG	AGT3-AD	AGT3-P-AD	
Functional Compatibility							
Dose	•	•	•	•	•	•	
Dose Rate	•	•	•	•	•	•	
Exposure Time	•	•	•	•	•	•	
Pulse Count	•	•	•	•	•	•	
kV	•	•	•	•			
HVL	•	•	•	•			
Filtration	•	•	•	•			
Current (mA)		•	•				
Luminance and Illuminance							
Scatter and Leakage		<u> </u>			•		
DAP	•	•			•	•	
Sensor Compatibility							
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)	•	•					
Computer Features							
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 (1.6 lbs.)

# **Display Specifications**

Size 5"

800 x 480 Resolution

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

<10 mW/MHz Antenna power Connectivity Access Point mode WPA2 secure encryption Wireless Security

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)

16 GB (>100,000 exposures) Storage

T3 Pro Application Software Accu-Gold 3.0 (USB mode/WiFi mode)

Accu-Gold 2.0 (USB mode)

# **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).





