



## CT007-P

The Most Versatile Pancake-Type Radiation Detector on The Market

### Features

- Small, Lightweight Design
- Removable, Telescoping Adjustable Angle Handle
- Facilitates Floor Scanning and Frisking
- Employs Standard 15.51 cm<sup>2</sup> GM Pancake Detector
- Simple Single-Button Local Operation
- Connects to GammaGuard by Bluetooth Low Energy (BLE)
- Rich User Interface Provided by Smartphone Display
- Can Log Data to the Smartphone or to the RadResponder network



### Introduction

The CT007-P combines the best aspects of the 2 piece cable-connected units and the newer integrated friskers. The CT007-P is a very small and light instrument with a small display on the back of the unit. The CT007-P can be used independently in this stand-alone configuration.

Alternatively, the CT007-P may be wirelessly linked to your smartphone with the readings displayed on the phone's screen. This allows you to take readings in locations that are not in line of sight. A telescoping handle is provided for access at a distance. The phone can be clipped to the handle, enabling one-handed operation. The Smartphone provides a large display with access to a feature-rich menu. The cordless connection to your Smartphone has a range of approximately 40 m and the telescoping handle can be extended with an ordinary painter pole. The GammaGuard app, running on your smartphone allows you to log data to a file on the phone or upload data to RadResponder, a web based database. You can use earphones, connected to the phone, to hear beeps or alarms in noisy environments.



### Specifications

**Indicated Use:** Contamination frisking, sample counting and surveying difficult to reach areas.

**Detector:** Pancake-type GM tube (LND7312)

**Measurement Units:** User selectable ( $\mu\text{Sv}$ , mRem or counts)

**Window:** 15.51 cm<sup>2</sup> active area. 2.0 mg/cm<sup>2</sup> mica protected by aluminum screen on ABS hex. 63% open

**Efficiency (4 $\pi$ ):** Similar to other pancakes: 15% for Am-241, 20% for <sup>90</sup>Sr/<sup>90</sup>Y;

**Gamma Sensitivity:** [Co-60] 372 CPM/ $\mu\text{Sv/h}$

**Measurement Range:** 0 to 1000  $\mu\text{Sv/h}$ , 300,000 CPM

**Resolving Time:** 120 microseconds

**Response Time:** User selectable from 1 to 30s or Auto. Display updates every second

**Background:** 50 CPM

**Display:** 2.2 x 1.2 cm OLED. Font size automatically adjust to display as many digits as needed

**Local Controls:** Single push button. Short press to toggle screens; long press on/off

**Wireless Communication:** Bluetooth Low Energy connecting to GammaGuard

**Batteries:** 2 standard AA batteries

**Operating Time:** 1000 hours connected to GammaGuard, 300 hours with screen on

**Size:** 5 x 10.5 x 3.5 cm (2 x 4.1 x 1.4 in.)

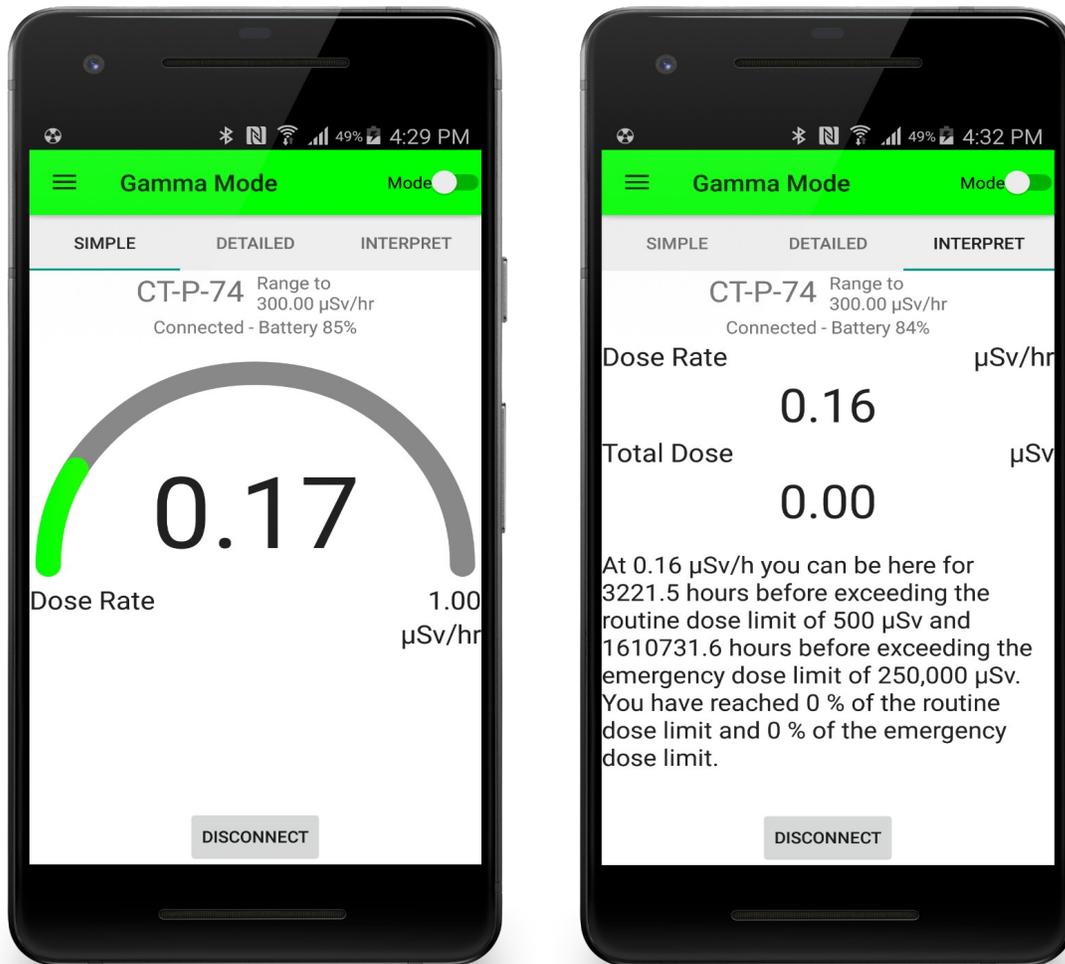
**Weight:** 245 g (including batteries)

# The GammaGuard System

The CT007-P, like many of our other radiation measurement instruments, connects to our GammaGuard app.

## The GammaGuard App:

- Provides a large, easy to read display.
- Has the ability to interpret readings for non-technical users.
- Uses one consistent user interface across all our CT007 detectors so that there is only one system to learn.
- Can automatically save data to a file and upload data to a central database, facilitating coordinated incident response.
- Will run in the background while performing other tasks.
- Alerts the user to elevated radiation levels, even when the app is not in the foreground.
- Displays the radiation level when the CT007 series detector is up to 40 m away.
- Changes background from green to yellow to red to indicate low, elevated and high levels of radiation.
- Can connect to 2 of the same type CT007 detectors at the same time to determine the direction of a radiation source.



For more information  
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