



Environmental
Instruments
Canada Inc.

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 cm² 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 (μSv , mRem or counts)

Window: 15.51 cm² active area. 2.0 mg/cm² mica protected by aluminum screen on ABS hex. 63% open

Efficiency (4π): Similar to other pancakes: 15% for Am-241, 20% for ⁹⁰Sr/⁹⁰Y;

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.)

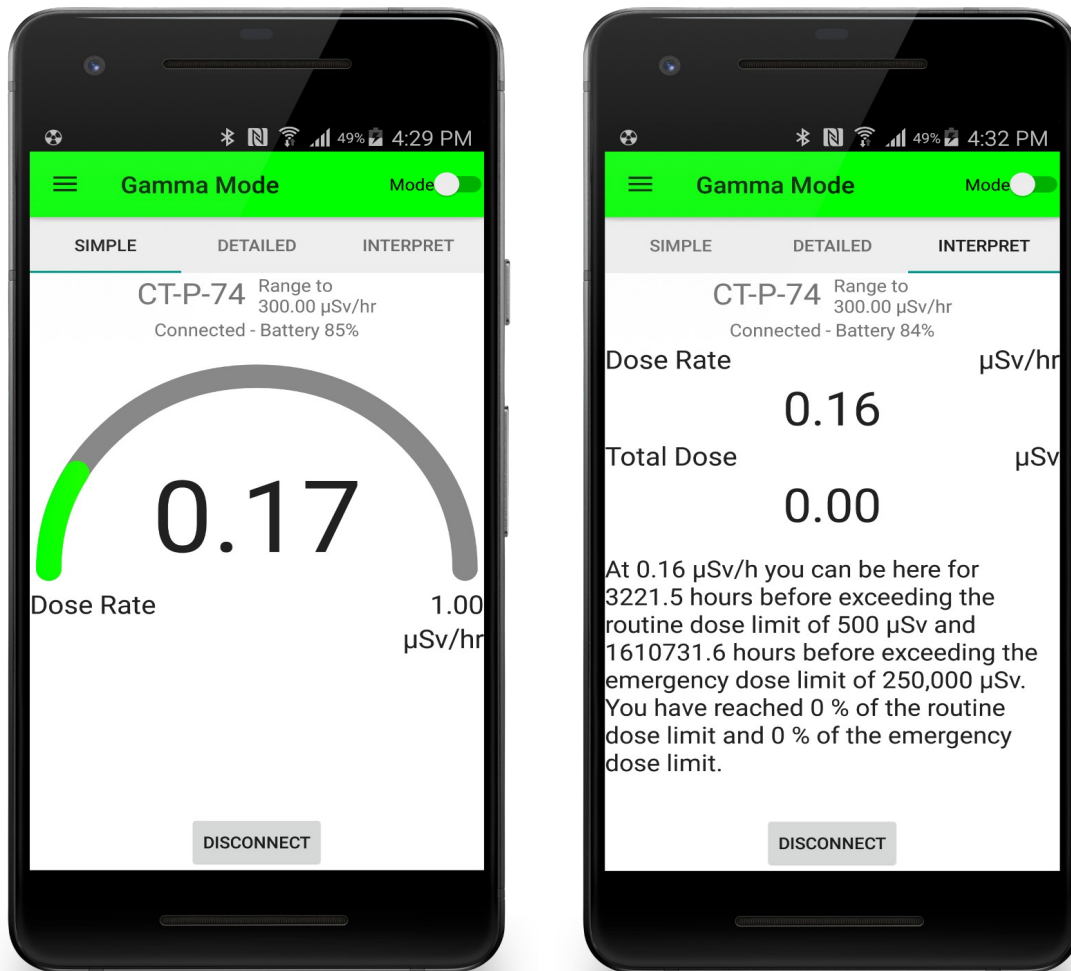
Weight: 245 g (including batteries)

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.



For more information

See <http://www.gammawatch.com/> or contact:

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