



Environmental  
Instruments  
Canada Inc.

## CT007-S Gamma Survey Meter



### Introduction

The CT007-S is a small general purpose survey meter type instrument. It uses the LND 713 GM tube, which is one of the standard tubes for this type of instrument. It can be used as a stand alone survey meter, with a simple one button interface, and an OLED display to show data. It can also connect to GammaGuard using Bluetooth Low Energy, and work as a tethered device, sending data to a smartphone application. Its compact form factor and long battery life make it a convenient and easy to use survey meter.

### Available Options

#### CT007-EC

Compensated Geiger Survey

#### CT007-P

Pancake Contamination Probe

#### AM003

External Interface to 1.25" × 1.75" NaI (TI)  
Detector

### Specifications

#### INDICATED USE

Gamma survey

#### EFFICIENCY

Within +/- 15% at dose rate of 1.68 mSv/h from a Cs-137 source

#### LINEARITY

Linear within +30% and - 20% between 0.007 mSv/h and 5.0 mSv/h

#### SENSITIVITY

[Co-60] 45 CPM/ $\mu$ Sv/h

#### WIRELESS COMMUNICATION

Bluetooth Low Energy connecting to GammaGuard

#### MINIMUM DEAD TIME

45 microseconds (based on the manufacture data sheet)

#### BACKGROUND

0.1  $\mu$ Sv/h

#### ENERGY RANGE

100 – 1100 keV

#### DOSE RATE RANGE

0.001 – 5 mSv/h

#### OPERATION VOLTAGE

3V (2 AAA batteries)

#### SIZE

5 × 9 × 1.5 cm (2 × 3.5 × 0.6 in.)

#### WEIGHT

65 gm (including batteries)

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