

# UVC PHOTON DETECTOR

Handheld unit for very low UVC radiation detection



## General Features



The **UVC Photon Detector** is designed to measure very low UVC radiation intensities. It is a useful instrument where harmful UVC radiation needs to be detected or other applications where a UV photodiode is not sensible enough. Once installed in the laboratory the unit alarms if invisible UVC radiation is present.

The **UVC Photon Detector** is based on a UVC sensitive gas discharge tube. An included speaker outputs clicks with a frequency proportional to the present UVC radiation (it works similar to a Geiger-Muller-counter)

## Specifications

Parameter	Value
Radiant Sensitivity at peak (210nm)	1 click /s / 100 fWcm <sup>2</sup>
Dimensions	150mm * 82 mm * 32 mm
Weight	230 g
Power Supply	9V Battery (lifetime is 50 hours of permanent use)
Operating Temp.	-20...+80°C
Humidity	<80%, non condensing

## User Instructions

To **get started** switch on the handheld, loosen the locking screw and push out the sensing tube. Never touch the glass of the tube.

Then do a **selftest** by lighting a pocket lighter at a distance of 5m. If you hear the unit clicking it is ready to protect you against harmful radiation.

We recommend to do the **selftest** regularly.

Do not touch the tube and consider that it is fragile.

## Spectral Sensitivity

