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⁻²

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

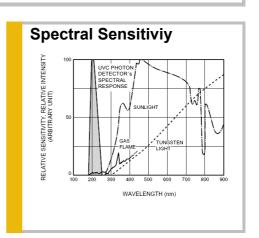
User Instructions

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.



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