

# AT2522 Radiation Detector (Alpha SENSOR)

## Purpose and operating principle

Alpha sensor is designed as a pocket radiation monitor for detection and quick assessment of surface contamination by alpha nuclides, in particular by Polonium-210.

Easy-to-operate detector can be used by untrained operator.

The device powers ON automatically when operator removes the protection lid and provides the light and sound alarm indication.

1" OLED screen for contamination level display.

Basic settings (threshold values and other service functions) can be adjusted by connecting to a PC.

## Features

- Scintillation detector
- Silicon photomultiplier
- High sensitivity
- Selectable units of measurement (cps, Bq, Bq/cm<sup>2</sup>)
- Light, sound and vibration alarms
- Extended operation without recharging
- Easy replacement of filters



## Specifications

Scintillation detector	ZnS(Ag), 25 cm <sup>2</sup> surface area
Registration efficiency	≥50% ( $\alpha$ particles <sup>239</sup> Pu)
Time of continuous operation - with display ON - with display OFF	≥40 h ≥500 h
Power supply	Built-in battery
Interface for PC and charger	microUSB
Protection class	IP40
Overall dimensions	106x60x31 mm
Weight	170 g

## Delivery set

- Alpha SENSOR
- Spare replacement filters
- USB – microUSB cable
- "A-SENS" software
- User's manual

The radiation detector complies with:  
Safety requirements of IEC 61010-1:2010,  
EMC requirements of EN 55011:2009,  
IEC 61000-4-2:2008, IEC 61000-4-3:2008

Design and specifications are subject to change without notice



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