

PB40, Sensor Tester



Description

The purpose of the PB40 Sensor Tester is to test the functionality of nuclear radiation sensors. It is also suitable for physics classroom experiments without any risk of damage to health.

The PB40 contains a small amount of pitchblende (uraninite), embedded in a plastic disk. Pitchblende (uraninite) is a radioactive, uranium-rich mineral and ore with a chemical composition that is largely UO_2 .

Technical Data

- Radioactive material: Approx. 0.01g of pitchblende (uraninite)
- Dimensions: 30mmØ x 4mm
- Activity (decay rate): Approx. 0.05µCi
- Emitted radiation: Beta and gamma
- Dose-rate in a distance of 10mm: Approx. 10µSv/h

Notes

Thanks to the hermetical sealing and due to the small amount of radioactive material the PB40 Sensor Tester can be handled without any risk of damage to health.

The PB40 Sensor Tester is not suitable for calibration of nuclear radiation sensors.

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