

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: < 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.

Disclaimer

Neither the whole nor any part of the information contained in, or the product described in this datasheet, may be adapted or reproduced in any material or electronic form without the prior written consent of the copyright holder.

This product and its documentation are supplied on an as is basis and no warranty as to their suitability for any particular purpose is either made or implied. Teviso Sensor Technologies will not accept any claim for damages howsoever arising as a result of use or failure of this product. Your statutory rights are not affected.

This product or any variant of it is not intended for use in any medical appliance, device or system in which the failure of the product might reasonably be expected to result in personal injury.

This document provides preliminary information that may be subject to change without notice.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Mikroe:

[MIKROE-4043](#)