

UNIDOS[®] E

Universal Dosemeter



Easy to use reference class or field class dosemeter / electrometer for routine dosimetry

Features

- ▶ An economical high quality dosemeter for universal use in radiation therapy and diagnostic radiology
- ▶ Complies with the following standards:
 - IEC 60731 as a field class dosemeter
 - IEC 60731 as a reference class dosemeter (option)
 - IPEM guidelines on dosimetry transfer instruments as a secondary standard dosemeter (option)
 - IEC 61674 as a diagnostic dosemeter
- ▶ High accuracy, excellent resolution (1 fA) and wide dynamic measuring ranges
- ▶ HV power supply (0 ... ± 400) V in increments of ± 50 V
- ▶ Measures integrated dose (or charge) and dose rate (or current) simultaneously
- ▶ RS232 interface for device control and data output

The lightweight and compact UNIDOS E is an easy to use dosemeter, mainly used for daily routine dosimetry in radiation therapy. Ion chambers and solid-state detectors can be connected. A chamber library makes it possible to store calibration data. Air density corrections are done by keying in air pressure and temperature. UNIDOS E displays the measured values of dose and dose rate in Gy, R, Gy/min, R/min or Gy·m. The electrical values charge and current are measured in C and A. The large, high-contrast LC display is easy to read. The device includes automatic leakage compensation and an RS232 interface. The high voltage between the ion chamber electrodes is checked automatically. UNIDOS E features both mains and battery operation.

Ordering Information

T10010 UNIDOS E, connecting system BNT, 115/230 V
T10009 UNIDOS E, connecting system TNC, 115/230 V
T10008 UNIDOS E, connecting system M, 115/230 V

Options

E10101 UNIDOS E Reference class certificate
T11003.1.020 UNIDOS E Carrying case

- ▶ UNITEST Electric Test Device *page 23*
- ▶ Radiation Detectors *page 16ff.*