Personal Dosemeter ED 150

with warning functions and doserate indication

- dose meter for measuring gamma radiation and X-rays approved for official calibration by PTB
- built-in GM-tube
- digital indication on LC-display
- dose indication range with floating point
- doserate indication by pressing key
- high accuracy of measurement
- measurement of radiation in front of the user in a solid angle of 180°
- excellent reading of the display by a special shaped housing
- switchable acoustic single-pulse indication
- dose alarm threshold
- doserate alarm threshold
- optical interface
- storage of dose and prepared adjustments also during battery replacement
- continuous self testing and monitoring to ensure high reliability
- compact housing of high impact-proof plastic, easily to decontaminate, protection class IP 67, watertight up to 0,5 m depth
- EMC-screened
- batteries: 3 cells LR1; 1,5 V
- Battery life approx. 12 months with background radiation
- can be used as a system dosemeter together with the readout unit EDAG 02

Technical Data

Dose indication	0,1 µSv ≤ Hp(10) ≤ 10 Sv
Dose indication range	10 µSv ≤ Hp (10) ≤ 1 Sv
Doserate indication range	0,1 µSv/h – 1,5 Sv/h
Energy range	55 keV – 3 MeV
Dose alarm thresholds	4 preselected in the range from 1 µSv – 10 Sv
Doserate alarm thresholds	4 preselected in the range from 1 µSv/h – 1,5 Sv/h
Temperature range	-20 °C up to + 60 °C
Dimensions	136 x 40 x 17 mm
Weight	approx. 160 g
PTB Approval No.	23.52 / 04.01
German Fire Brigades Approval No.	DW/FW/IdF 040411

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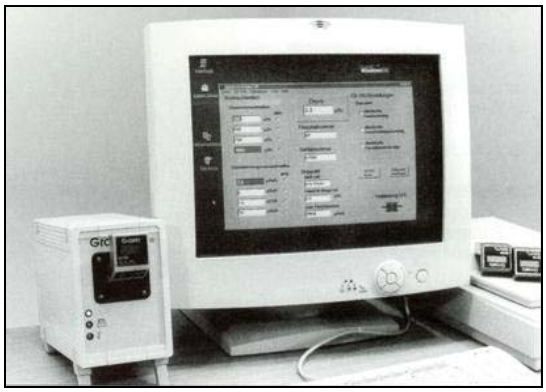
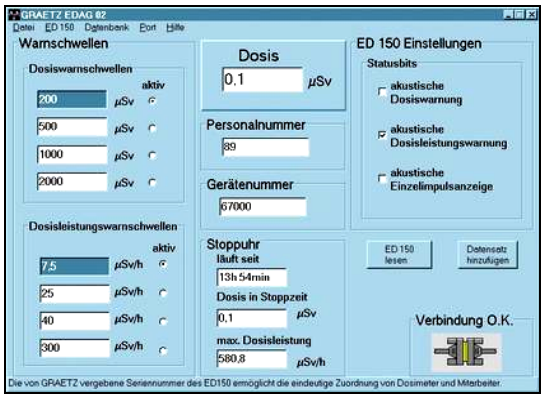
Readout unit EDAG 02 for ED 150



The ED 150 can be either used as single dosemeter or, together with the readout unit GRAETZ EDAG 02, as system dosemeter, too.

The EDAG 02 has to be connected with a computer via the RS 232 interface. For reading out measured data from the ED 150 (e.g. dose values) or for programming relevant functions of the ED 150 (e.g. alarm thresholds, personnel number) the software is Windows compatible. The data are represented graphically or in tabular form. All dose data can be processed by using MS-Access.

Communication between the ED150 and the EDAG 02 is effected by means of the optical interface of the ED 150.



▲ Programming and reading out the ED 150

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