

Electronic Personal Dosimeter GRAETZ ED 150

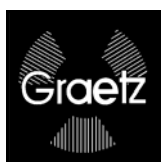
with dose rate indication and alarm functions

- PTB-approved dosimeter for measuring gamma radiation and X-rays for the measuring size $H_p(10)$ (personal dose equivalent)
- detector: energy compensated GM-tube
- digital indication of measured values on LC-display
- dose indication range with floating decimal point
- dose rate indication upon keystroke
- high measuring accuracy
- reliable and safe measurement of radiation in front of the user's body (detection of a solid angle of 180°)
- especially shaped display ensures optimum reading of measured values
- switchable acoustic single-pulse indication
- 4 dose alarm thresholds
- 4 dose rate alarm thresholds
- menu-driven operator guidance
- optical interface
- storage of dose value and set parameters also during battery change
- high reliability by continuous self control and test function
- small and handy metallized housing made of high impact-proof plastic, easy to decontaminate, watertight up to 0,5 m depth, protection class IP67
- EMC-proof
- power supply by 3 pcs. Lady cells LR1, 1,5V
- operating life approx. 1 year with one battery set at ambient background radiation
- when used together with the readout unit EDAG 02 also usable as system dosimeter

Technical Data

Measuring ranges: - dose: - dose rate: - PTB-approved dose ¹⁾ :	$0,1 \mu\text{Sv} \leq H_p(10) \leq 10 \text{ Sv}$ $0,1 \mu\text{Sv/h} - 1,5 \text{ Sv/h}$ $10 \mu\text{Sv} \leq H_p(10) \leq 1 \text{ Sv}$
Energy range:	55 keV – 3 MeV
Dose alarm thresholds:	4 preset values in the range of $1 \mu\text{Sv} - 10 \text{ Sv}$
Dose rate alarm thresholds:	4 preset values in the range of $1 \mu\text{Sv/h} - 1,5 \text{ Sv/h}$
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

¹⁾ PTB-approved measuring range for measurements specifically demanded by German authorities



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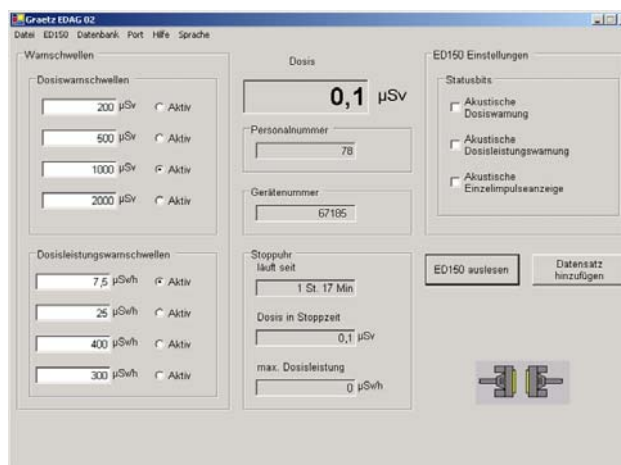
Readout Unit GRAETZ EDAG 02 for ED 150



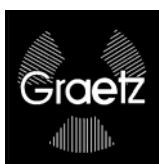
The ED 150 can be either used as „stand alone“ dosemeter or combined with the readout unit EDAG 02 as system dosemeter, too.

By using the RS 232-interface, the EDAG 02 is connected with a PC. For reading out the measured data of the ED 150 (e. g. dose values) respectively for programming certain functions of the ED 150 (e. g. alarm thresholds, personnel numbers) the software is Windows compatible. These data are represented as graphics or in tabular form. All dose data can be processed with MS-Access.

The communication between the ED 150 and the readout unit is effected by the optical interface of the ED 150.



▲ User surface for programming and readout of the ED 150



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