

Electronic Personal Dosemeter ED 150 with dose rate indication and alarm functions

- PTB-approved dosimeter for measuring gamma- and X-rays
- measuring size: personal dose equivalent $H_p(10)$
- 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
- storage of dose value and set parameters also during battery replacement
- 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 (acc. to IP 67)
- EMC-proof
- power supply by 3 pcs. Lady cells LR1, 1,5V
- operating life approx. 1 year at ambient background radiation with one battery set
- when used together with the readout unit EDAG 02 also usable as system dosimeter
- optical interface for EDAG 02



Technical Data

Measuring ranges:	
- dose	$0,1 \mu\text{Sv} \leq H_p(10) \leq 10 \text{ Sv}$
- dose rate	$0,1 \mu\text{Sv/h} - 1,5 \text{ Sv/h}$
- PTB dose ¹⁾	$10 \mu\text{Sv} \leq H_p(10) \leq 1 \text{ Sv}$
Energy range	55 keV – 3 MeV
Dose alarm thresholds	4 preset values in the range of 1 μSv up to 10 Sv
Dose rate alarm thresholds	4 preset values in the range of 1 $\mu\text{Sv/h}$ – 1,5 Sv/h
Temperature range	-20 °C up to + 60 °C
Dimensions	(136x40x17) mm
Weight	approx. 160 g
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¹⁾ PTB-approved measuring range for measurements specifically demanded by German authorities