

APD functions and display indicators



The active personal dosimeter (APD) provides a wide range of functions and displays the following information:

- **Personal Data:** Last name and first name
- **Battery status** Display of the current battery level
- **Dose values during the monitoring period:**
 - Hp(10) and Hp(0.07)
 - Maximum dose rate Hp(10) and Hp(0.07): Highest measured dose rate during the monitoring period
- **Alarm function for exceeding threshold limits:**
 - Audible warning (alert sound)
 - Visual warning (blinking LED)
 - Customisable alarm profiles: Programming threshold values to trigger the warning signal when a specific dose or dose rate is exceeded

Technical specifications

- **Data transfer:** Automatic transmission of measurement data and alarms to the database after the APD is returned to the station
- **Range:**
 - Dose: 1 µSv to 100 Sv
 - Dose rate: 20 µSv/h to 20 Sv/h
- **Energy range:**
 - Photon measurement: 15 keV – 2 MeV
 - Beta radiation measurement: 200 keV – 1.2 MeV
- **Battery capacity:** Rechargeable battery
- **Ergonomics:**
 - Lightweight: 72 g (γ-APDs), 75 g (β-APDs)
 - Durable: Designed to withstand accidental drops

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