

TED-S

ELECTRONIC DOSIMETERS TERMINAL



KEY FEATURES

- User-friendly interface with touchscreen display, easy access to radiation controlled area (RCA)
- Identification of persons using ID cards
- Automatic setting of electronic dosimeter
- Access to RCA restricted to authorized persons only (radiation workers and visitors)
- Automatic accumulation of received doses E, Hp(10), Hp(0.07)
- Guarantee that personal dose limits will not be exceeded
- Resistance to communication failures with the EPDS-S host system

DESCRIPTION

The TED-S electronic dosimeter terminal is the end device of the EPDS-S electronic personal dosimetry system for small workplaces. It is particularly suitable for workplaces that do not need to monitor personal doses in different locations and for different types of activities, such as healthcare facilities, research institutes, etc.

The basic components of the TED-S terminal are:

- touch screen display
- PC for data archiving
- electronic personal dosimeter reader
- personal identification card reader

The terminal allows only those persons who are registered in the EPDS-S system and meet the defined conditions to enter the controlled area. These conditions include, in particular:

- Not exceeding the annual and five-year limits for personal doses E
- Not exceeding the annual limit for personal doses Hp(0.07)
- Meeting the qualifications for entry into RCA

When exiting the RCA, the terminal automatically reads the doses from the dosimeter and stores them in the EPDS-S host system.

TED-S is capable of operating in offline mode without a connection to the EPDS-S system, as it stores data in a local database. Once the connection to the EPDS-S is restored, the data is automatically synchronized.

When ordering, it is necessary to specify which identification cards and dosimeters the TED-S will work with. Saphydose Gamma i dosimeters are supported as standard. Please contact us if you use a different type of dosimeter.

SPECIFICATIONS

Dimensions (W x H x D) (455 x 282 x 186) mm

Weight approx. 10 kg

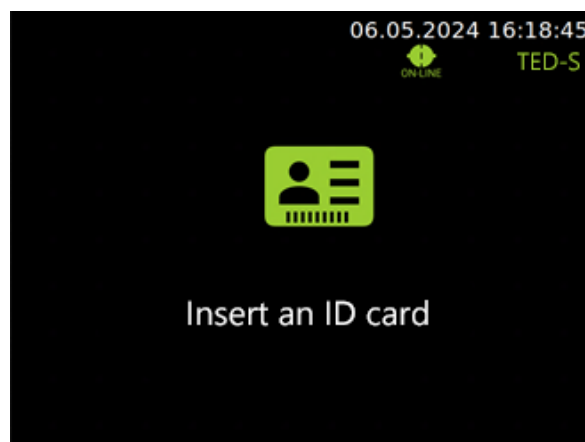
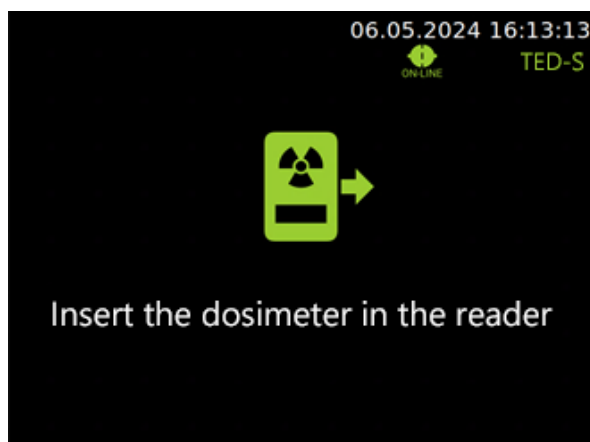
Power supply (100 ÷ 240) VAC / (50 ÷ 60) Hz

Communication interface Ethernet

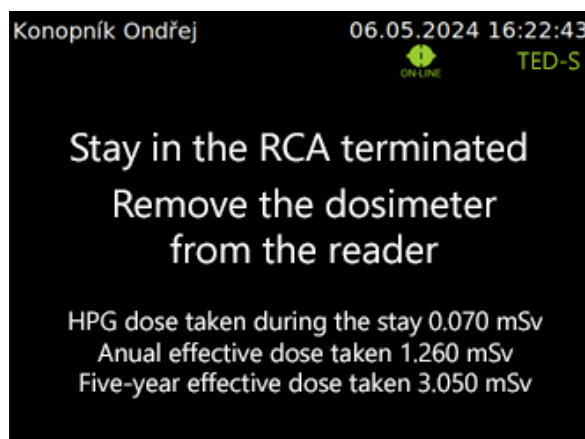
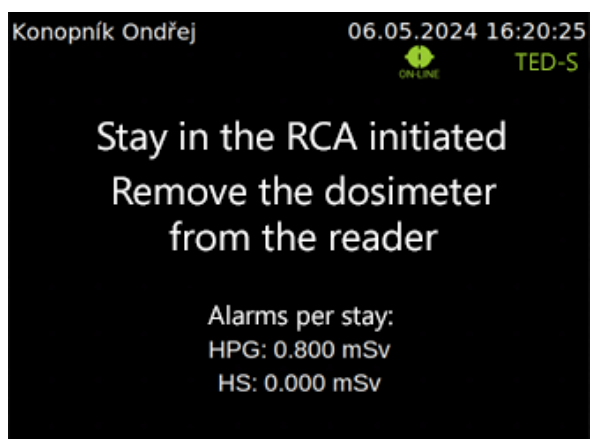
Ingress protection IP 20

Operating temperature from 0 to 45°C

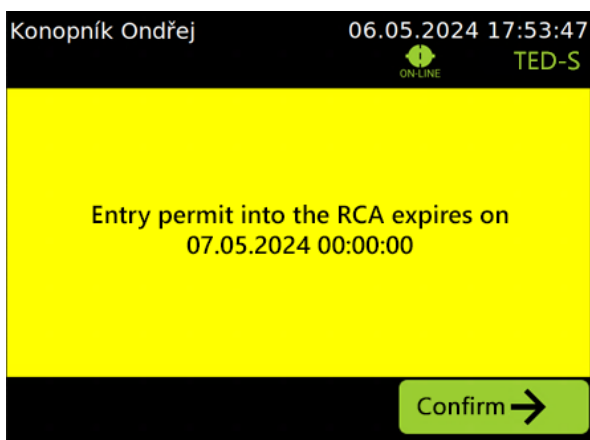
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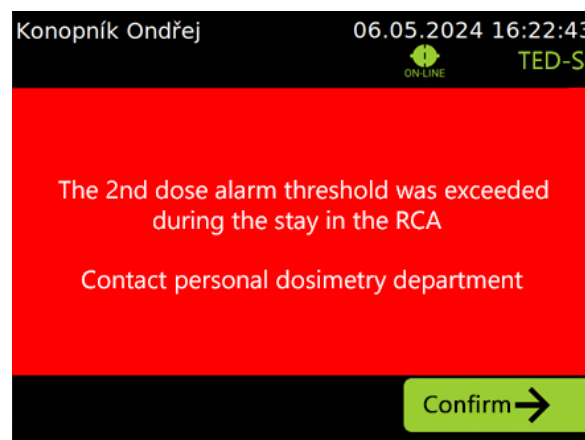
Initial screens



Stay in the radiation controlled area initiated / terminated



Notification of expiry of the entry permit into the RCA



Exceeding the dose alarm threshold during the stay in the RCA