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MEDICINE

TED-S

ELECTRONIC DOSIMETERS TERMINAL



MAIN ADVANTAGES

- User-friendly graphical interface with touch screen display
- Quicker entry to the radiation controlled area
- Identification card reader for automatic acquisition of personal data

PURPOSE

The TED-S terminal is the user interface of the EPDS-S electronic personal dosimetry system for persons entering a radiation controlled area (RCA) or other restricted areas, where sources of ionizing radiation can be present

It allows registration of all people entering into the radiation controlled area and supervision of their personal doses.

It is designed to be simple to use and ideal for small workplaces. The system is especially suitable for medical facilities and research institutes. It is also suitable for smaller electronic personal dosimetry systems that may be used in nuclear power plants.

TED-S is used by two groups of users:

- a radiation worker working in a radiation controlled area with a valid entry permit,
- a non-radiation worker who does not have a valid entry permit into the radiation controlled area and enters as a visitor.

The TED-S terminal consists of the following basic parts:

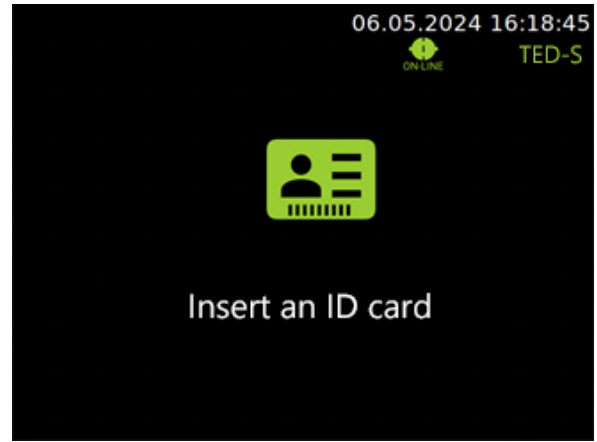
- panel PC with 8" touch screen,
- nest for inserting dosimeters type DMC 2000/3000 (other models on request),
- RFID identification card reader.

To operate, the terminal must be loaded with a database of authorised persons and other necessary data from the EPDS-S host system. During operation, it checks the validity of workers entering the radiation controlled area and obtains data from their dosimeters at the area's exit. It automatically transfers the acquired and user-entered data to the host system for further processing.

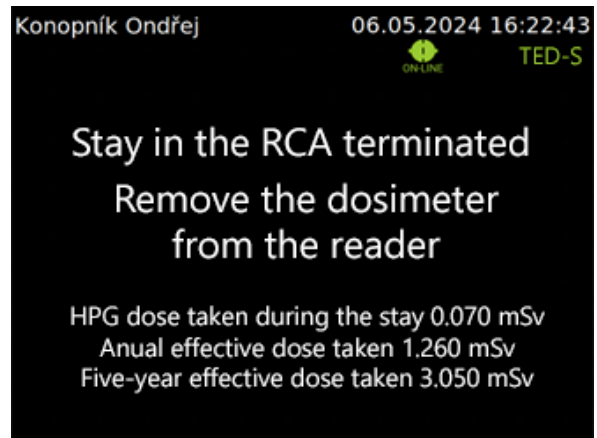
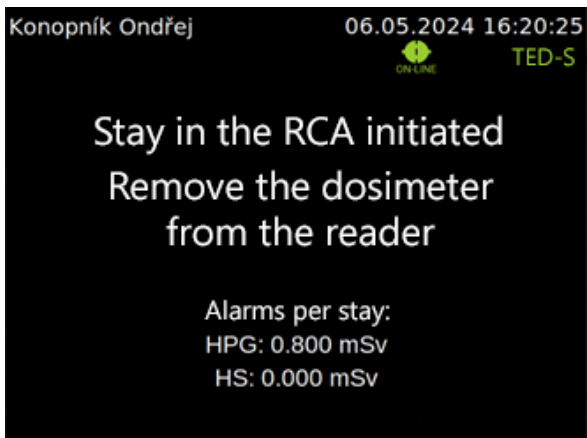
TED-S is capable of operating in an offline mode without connection to a host system. It stores data in a local database and after the connection have been restored, the data is synchronized with the central database.

SPECIFICATIONS

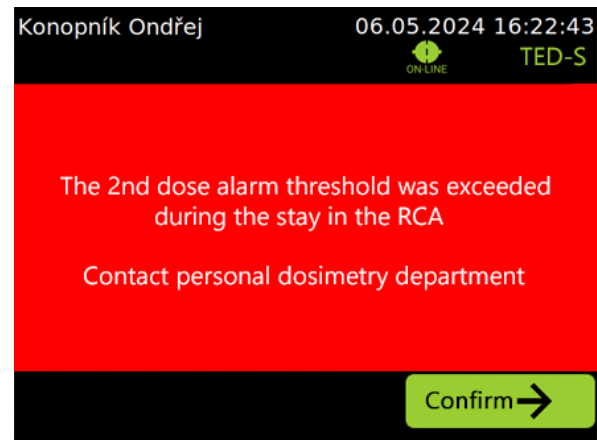
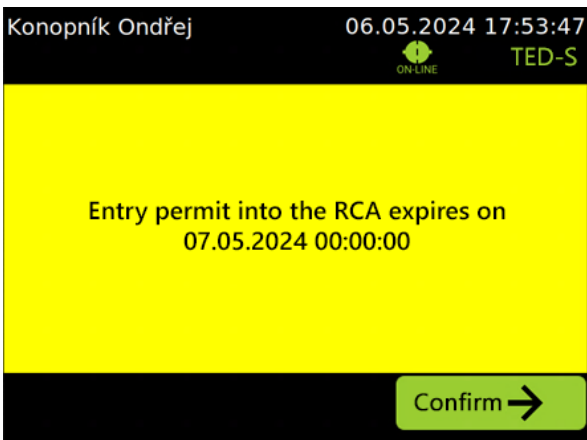
Operating system	Linux Ubuntu
Dimensions (W x H x D)	(455 x 282 x 186) mm
Weight	approx. 10 kg
Power supply	(100 ÷ 240) VAC / (50 ÷ 60) Hz
Communication interface	Ethernet
Ingress protection	IP 20
Operating temperature	from 0 to 45°C
Operating humidity	max. 90 %, non-condensing



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