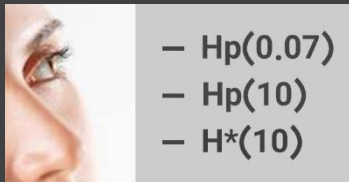




Innovator In Spectroscopy Equipment

# DRCU2519-1D



**DATA READER AND  
CHARGER UNIT  
MODEL DRCU2519-1D**

[www.cfp.co.ir](http://www.cfp.co.ir)



CATALOG



MISCELLANEOUS



FREE DOWNLOAD

## DATA READER AND CHARGER UNIT MODEL DRCU2519-1D

### Features

- Supplying data security
- Simultaneous data reading and charging
- User friendly interface for data management
- Providing unique platform for data transfer
- Dose dashboard with total dose history
- Presenting time stamped dose history and battery status
- Annual dose in number and relation to a configurable yearly limit
- Best choice for health physics applications
- Easy setup for CFP personal dosimeters
- Selectable personnel working position
- Easy assignment of dosimeters to personnel
- Personnel-dependent configuration and setup

### FAST READING AND CHRGING DATABASE SUPPORT



## Description

DRCU2519 is a data reader and charging unit especially designed for CFP personal dosimeters. Personal dosimeters as the main instrument in measuring the dose absorbed by personnel in various working environments including radiotherapy, radiology, nuclear imaging centers, etc., need reading units which provide them with an easy interface for data gathering and presenting. DRCU2519 is the best choice for this purpose. This device provides both data reading and charging capabilities for CFP personal dosimeters.

This version is DRCU2519-1D which comprises one dock and demand PC for full operation.

This device unifies the way one can communicate with personal dosimeter. In other words, the unique method for sending data to or extracting data from personal dosimeters is via one-dock DRCU2519-1D. This maximizes the data security in CFP personal dosimeters.

DRCU2519 also presents charging capabilities for dosimeters which makes reading and charging operations simultaneous.

The software accompanying DRCU2519 bring efficient data gathering and presentation routines. The dose dashboard corresponding to each personal dosimeter present total dose history, annual dose in number and relation to configurable yearly limits, time stamped dose history and battery status.

## Specifications

DRCU2519	
TYPE	Data reader and charger unit
Version	DRCU2519-1D
Number of docks	1
Inputs/Outputs	
Inputs	USB
Input protocol	CFP data transfer protocol
Outputs	USB
Controls/Communication	
Display buttons	-
Power Push button	-
Display	
Type	-
Size	-
Performance	
Device functionalities	Total time stamped dose history with overview, Configurable yearly limit, Battery status, Report and Alarm, Personnel-dependent configuration and setup, Easy assignment of dosimeters to personnel (Functionalities are available just on PC for DRCU2519-1D)
Installation and Protection Level	
configuration	Table-placed
Protection level	IP20
Memory	
Capacity	Based on PC

## Application

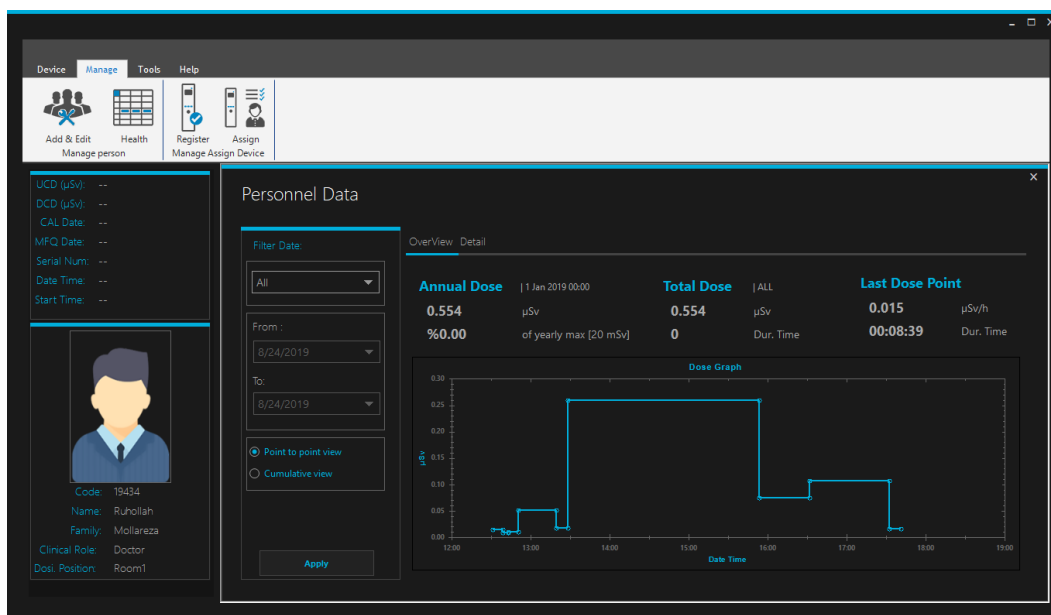
- Data reading and charging for 1 personal dosimeter
- Personnel Dose data reading in medical centers including medical imaging clinics
- Personnel Dose data reading in nuclear power plants, and nuclear materials processing centers
- Offline nuclear interactions exploration using time stamped dose history evolutions

## Electrical and Mechanical

VERSION
DRCU2519-1D
Power required
USB – DC – 5V – 100mA
Dimensions (LxWxH) in mm
120mmx120mmx110mm
Weight
720g
Storage temperature
0°C to 50°C
Operating temperature
10°C to 45°C.

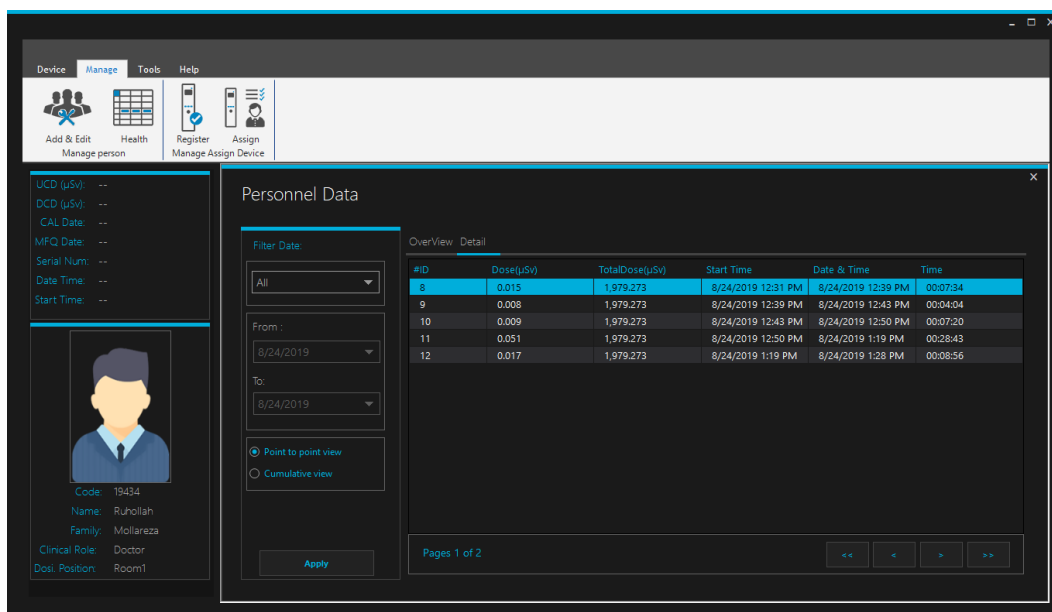
## Software

DRCU2519-1D is equipped with a user-friendly software. This software provides various features including dose dashboard with total dose history, annual dose in number and relation to a configurable yearly limit and detailed views presenting time stamped dose history for different devices in the unit. Various elements in the software are:



Personnel dose overview window including:

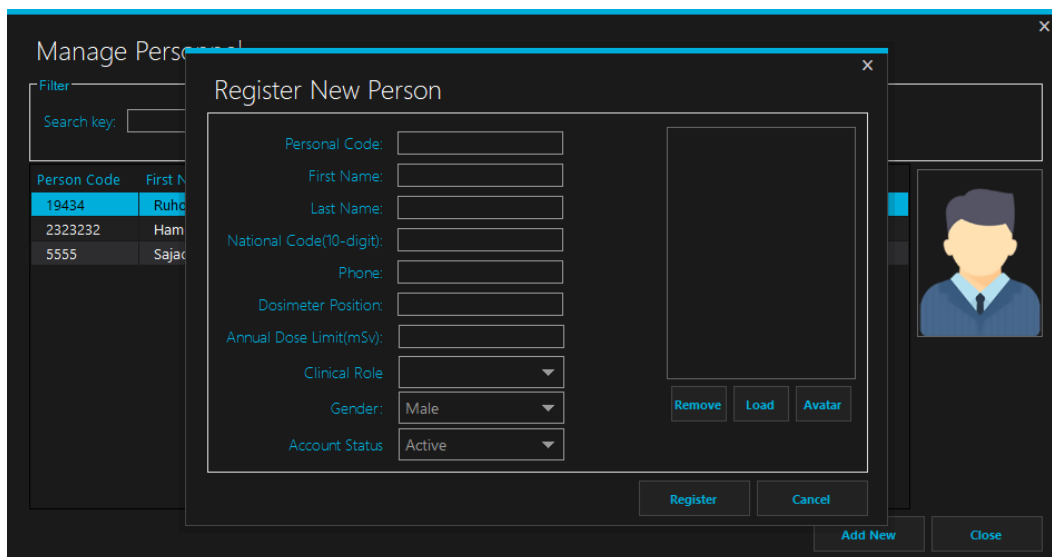
- Various filtering options for dose evaluations
- Annual dose
- Yearly limit dose
- Total Dose
- Last dose point
- Time-stamped dose curve
- Personnel information



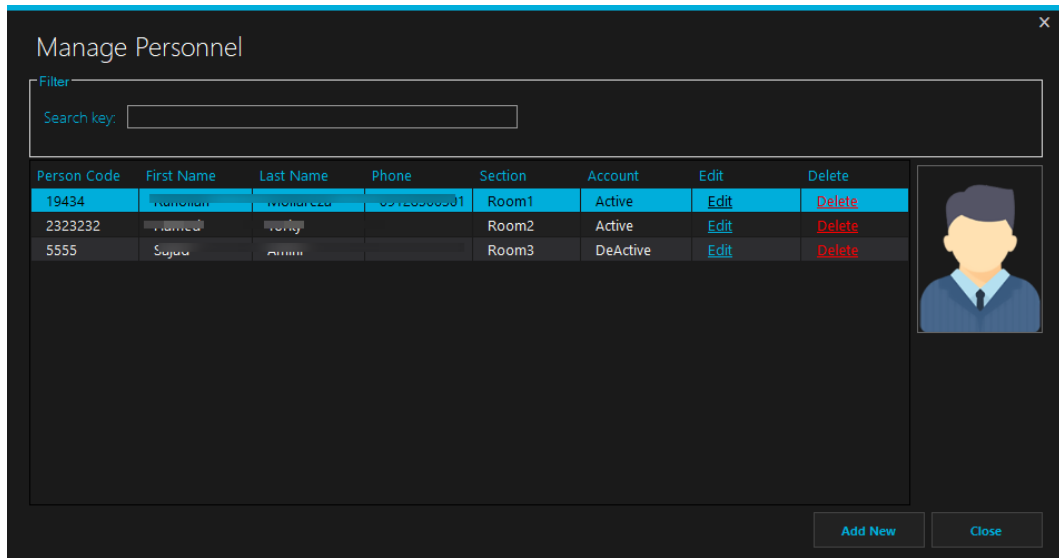
Personnel dose detail window (sample database record) including the following fields:

- ID: Record ID
- Dose(μSv): User dose in the record
- Total dose(μSv): Total device dose
- Start Time: Start time for the recorded dose
- Date & Time: Date and time when the record is saved
- Time: Working time of the record

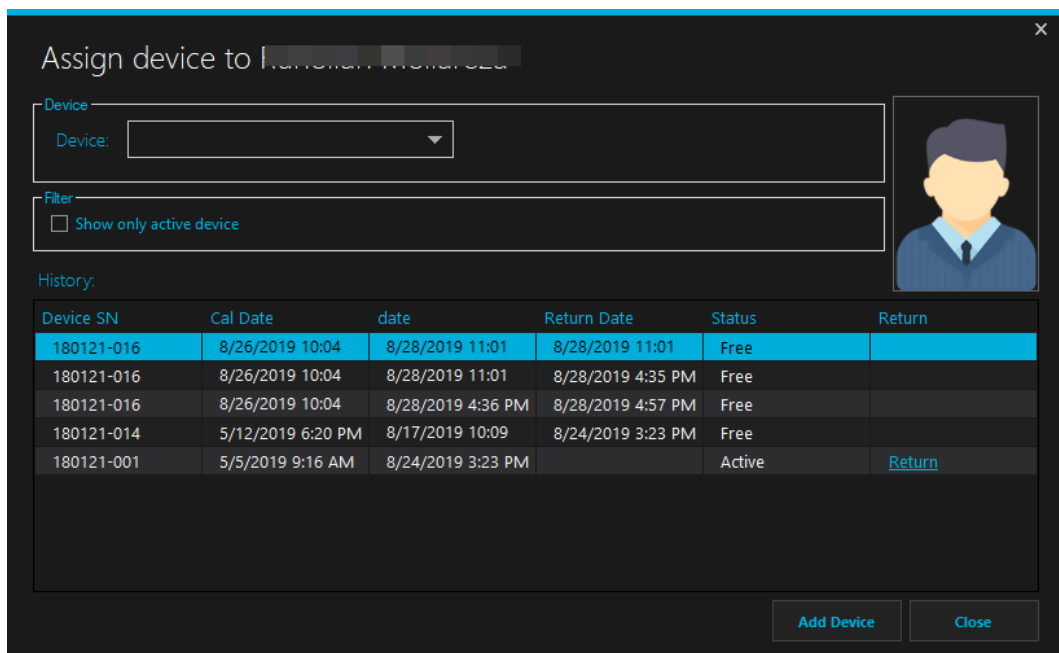
NOTE: Information in the detail table can be exported to csv format.



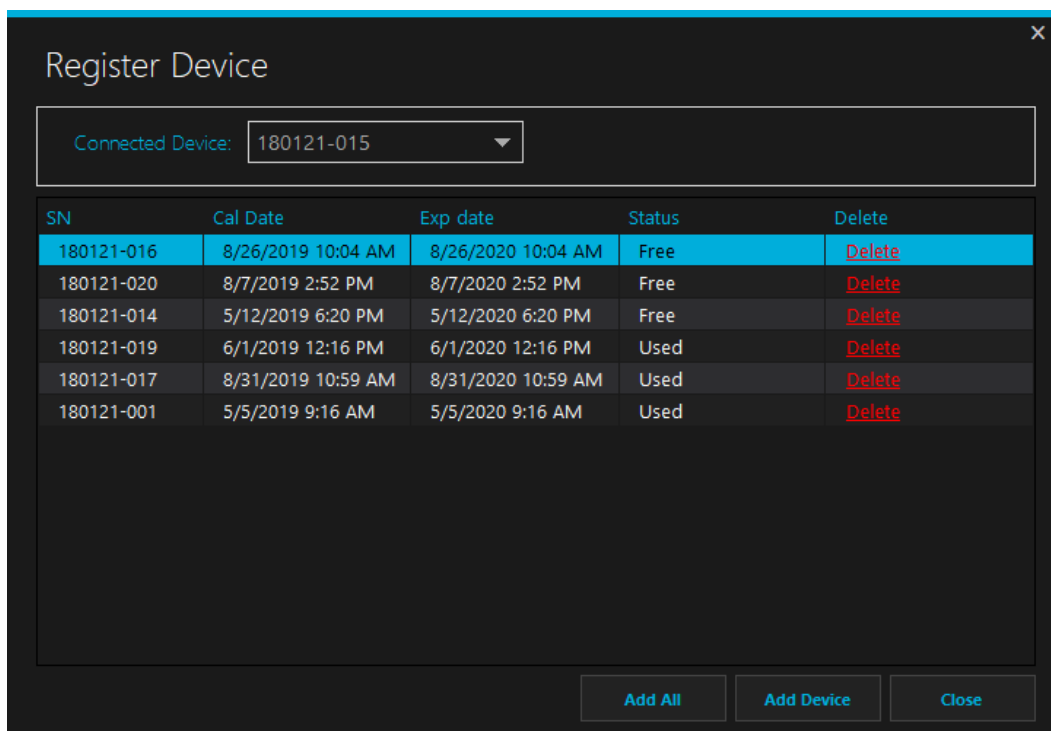
Personnel register window



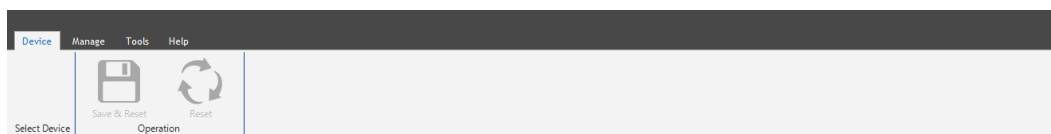
Personnel management window



Assigning device to personel

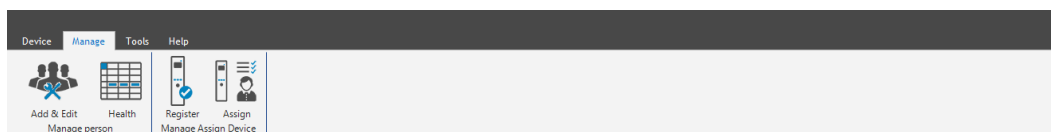


Registering device to system



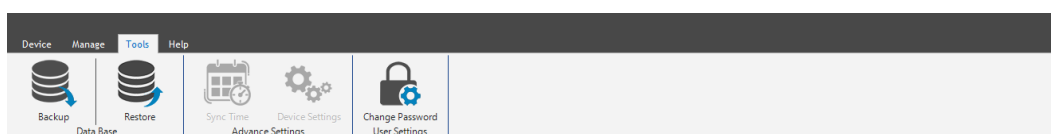
#### Device menu

- Connected device: Show device icon and serial number when the device connects to PC
- Save & Reset: Save the device record in the database, reset the user dose and set the start time to the current time
- Reset: Reset the user dose and set the start time to the current time



#### Manage menu

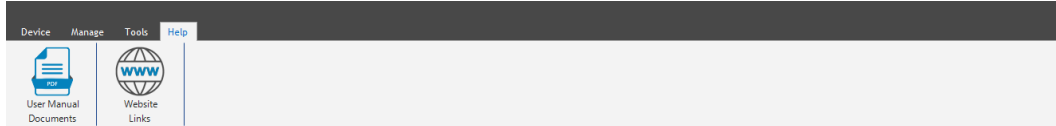
- Add & Edit: Add, remove or edit personnel
- Health: Personnel dose overview window
- Register: Registering device to system
- Assign: Assigning a device to personnel



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#### Tools menu

- Backup: database backup
  - Restore: database restore
  - Sync Time: Synchronizing device time with system
  - Device Setting: Device parameter setting
  - Change Password: Change software password
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#### Help menu

- User manual: Show the directory of user manual
  - Website Links: Opens company website (cfp.co.ir) in browser
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## Ordering info


### Standard package includes DRCU2519-1 Version

Part #	Image	Description
DRCU2519-1D		DRCU2519-1 main
ACCE2519001		CD User guide (1 Pack) with software
ACCE2519002		box with foam inserted (1 Pack)
ACCE2519003		Guarantee (one year)
ACCE2519010		LEMO Cable to USB for PC connection

### Optional accessories and services

Part #	Image	Description
ACCE2519004		Installation
ACCE2519005		Training
ACCE2519006		Re-calibration services
ACCE2519007		Protective hard case for PD2318



<p>ACCE2519011</p>		<p>USB to USB extenuation Cable</p>
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