Innovator In Spectroscopy Equipment

DRCU2519

Windows

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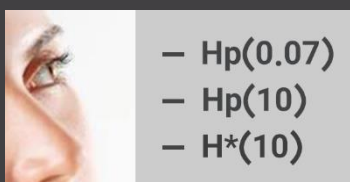
DATA READER AND CHARGER UNIT MODEL DRCU2519

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CATALOG

MISC

MISCELLANEOUS

FREE DOWNLOAD

DATA READER AND CHARGER UNIT
MODEL DRCU2519

- Presenting data reading and charging simultaneously
- User friendly interface for data management
- Providing unique platform for data transfer
- Supplying data security
- 5 docks for Parallel and fast reading and charging
- 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 AND PARALLEL READING AND CHRGING FOR PERSONAL DOSIMETERS

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 and 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.

The device comes with two versions based on the number of docks available in the device. DRCU2519-5D is equipped with 5 docks which result in parallelism and faster operation. This device also provides all software functionalities using embedded system and display. A lighter version is DRCU2519-1D which comprises one dock and demand PC for full operation. Both versions provide charging capabilities.

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 DRCU2519-5D or its one-dock counterpart 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	DRCU2519-5D
Number of docks	1	5
Inputs/Outputs		
Inputs	USB	
Input protocol	CFP data transfer protocol	
Outputs	USB	Display, USB
Controls/Communication		
Display buttons	-	Control display functionalities
Power Push button	-	Push to turn device ON and OFF
Display		
Type	-	IPS, Full color
Size	-	10.1", 1280×800 pixels,
Performance		
Device functionalities	Total time stamped dose history with overview, Configurable yearly limit, Battery status and Report and Alarm, Personnel-dependent configuration and setup, Easy assignment of dosimeters to personnel (Functionalities are available on both PC and device for DRCU2519-5D while just on PC for DRCU2519-1D)	
Installation and Protection Level		
configuration	Table-placed	
Protection level	IP20	
Memory		
Capacity	Based on PC	≥1Gbyte

Application

- Data reading and charging for 5 and 1 personal dosimeters in DRCU2519-5D and DRCU2519-1D, respectively
- 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	
DRCU2519-5D	DRCU2519-1D
Power required	
AC - 220V - 50Hz	USB – DC – 5V – 100mA
Dimensions (LxWxH) in mm	
300mmx245mmx260mm	120mmx120mmx110mm
Weight	
5.2kg	720g
Storage temperature	
0°C to 50°C	
Operating temperature	
10°C to 45°C.	

Software

PD2318 is also provided with an optional charging and reading unit 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, detailed views presenting time stamped dose history and battery status for different devices in the unit. This software includes the following panels:

User panel

Setting panel

Admin panel

There are also three windows that show the detailed information for each user including dose overview, cumulative dose history (Years) and dose history versus time. *Note that this software can be used in PC and Tablet but with limited features.*
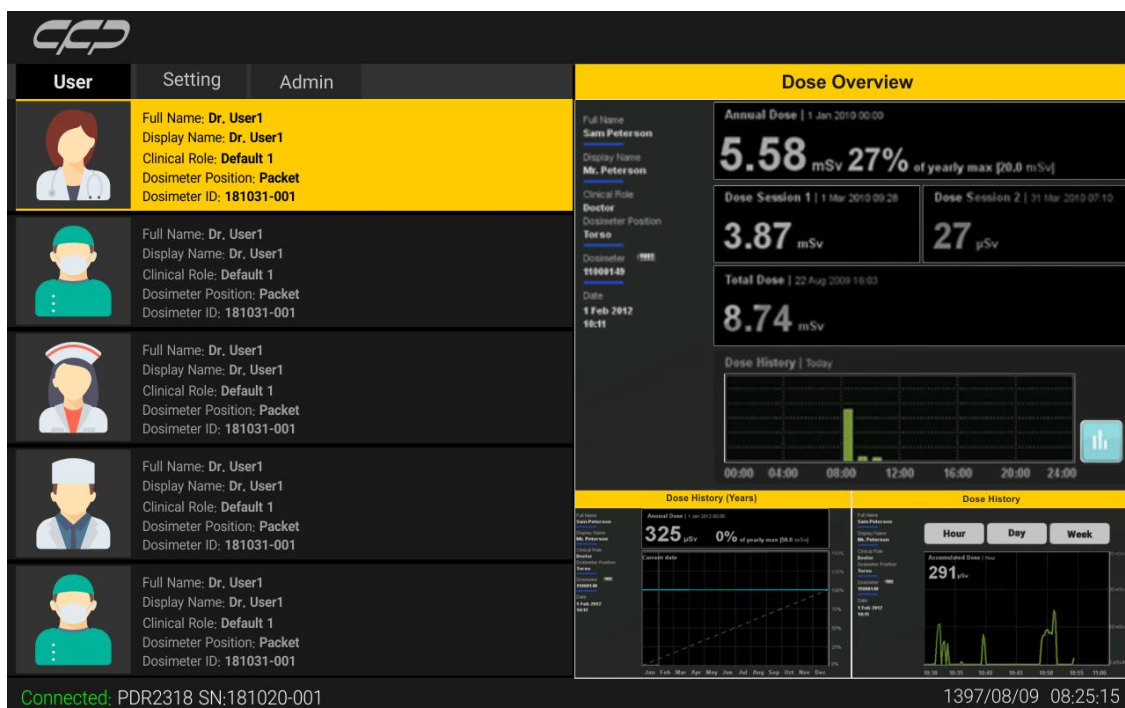
Main window on charger and dock unit

Ordering info

Standard package includes DRCU2519-1 Version

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

Standard package includes DRCU2519-5 Version

Part #	Image	Description
DRCU2519-5D		DRCU2519-5 main
ACCE2519004		Power cable
ACCE2519002		CD User guide (1 Pack) with software
ACCE2519003		Box with foam inserted (1 Pack)

Optional accessories and services

Part #	Image	Description
ACCE2519005		Protective hard case for PD2318
ACCE2519006		USB to USB extenuation Cable
ACCE2519007		Installation
ACCE2519008		Training

CFP

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