MIRION
TECHNOLOGIES

DBR-2

DIS Dosimeter Reader

The DBR-2 Dosimeter Reader is designed to read DIS-1, DIS-1H3 and EDIS-1 dosimeters assembled in the DDH snap-in dosimeter holders. The dosimeter is simply inserted into the reader head slot for dose read-outs. The design of the slot prevents the dosimeter from being inserted incorrectly.

Just plug the DIS-1, DIS-1H3 or EDIS-1 dosimeter into the Dosimeter Reader and in a couple of seconds the Hp(10), Hp(0.07), Hp(3) or H*(10) doses are shown on the display and stored in a local buffer memory. The instant reading capability allows the user to control his/her dose on a daily basis and makes the monthly or quarterly change of the dosimeter unnecessary.

The control period can be indefinite (in excess of a year), because the dose readings can be transmitted via electronic method rather than physically sending the dosimeter away for reading and recording of official doses.

FEATURES

- stand-alone use or interface to WinELD Dose Management Software
- display of Session and Assignment doses and Session dose reset capability
- EIA RS-232C serial or optional external 10Base-T Ethernet LAN interface
- back-up batteries and internal buffer memory for off-line dose collection
- portable table top design
- PTB approved configuration avilable

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Featuring:

RADOS

TECHNICAL SPECIFICATIONS:

Physical Characteristics	• gold plated connector for dosimeter reading • rugged metal case • size (WxHxD): 250 x 80 x 280 mm (9.84 x 3.15 x 11.02 in) • weight: 3.1 kg (6.8 lbs)
Functional Characteristics	• display of Hp(10), Hp(0.07), Hp(3) and H*(10) doses • reset of the session dose • display of Session/Assignment doses • display of Remaining Dose Capacities • real time clock • configurable operations • easy-to-check calibration with optional DBR Reader Calibration Plug • display and keypad controlled by the WinELD software • Assignment/Session reset controlled by the WinELD software • internal buffer memory for 256 off-line dose records
Mechanical Characteristics	• 2x16 character alphanumeric LCD display with LED backlight, 9.5 mm (0.37 in) digits • heavy duty 16-key keypad • power on/off by key switch • EIA RS-232C serial port or optional external 10Base-T Ethernet LAN adapter • table top mounting
Environmental Characterstics	• operating temperature: from +10 °C to +40 °C (50 °F to 104 °F) • storage temperature: from -10 °C to +60 °C (14 °F to 140 °F) • humidity: 90% RH (non condensing)
Electrical Characteristics	• 15 VDC, 500 mA power supply • built-in back-up battery, 1.2 Ah, for minimum 8 h off-line operation • complies with CE standards
Configurable Operations	• Session Dose reset in off-line mode • Assignment or Session dose primary display • automatic dose print-out • Sv/rem dose unit selection • Keypad operation (enabled/disabled) • «On-line», «Off-line» and «Please wait» texts can be customized by the WinELD software • US or European Date/Time format

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