

DBR-2



Portable DIS Dosimeter Reader

- **direct measurement of $H_p(10)$ and $H_p(0.07)$ doses with the DIS-1 Dosimeter**
- **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**

Just plug the DIS-1 Dosimeter Badge into the simple-to-use DBR-2 Dosimeter Reader and in a couple of seconds the $H_p(10)$ and $H_p(0.07)$ 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 badge away for reading and recording of official doses.



In the DBR-2 Reader one can instantly read the DIS-1 Dosimeter Badge and transfer the doses to a PC database

Configurable operations

- Session Dose reset in off-line mode
- Assignment or Session dose primary display
- automatic dose print-out
- Sv/R 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



Operational characteristics

- display of Hp(10) and Hp(0.07) doses
- reset of the short term doses
- display of Session/Assignment doses
- display of Remaining Dose Capacities
- real time clock
- configurable operations
- easy-to-check calibration with optional 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

- gold plated connector for dosimeter reading
- 2x16 character alphanumeric LCD display with LED backlight, 9.5 mm (0.37 in) digits
- heavy duty 16-key keypad
- rugged metal case
- power on/off by key switch
- EIA RS-232C serial port or optional external 10Base-T Ethernet LAN
- size (WxHxD): 250 x 80 x 280 mm (9.84 x 3.15 x 11.02 in)
- weight: 3.1 kg (6.8 lbs)
- table top mounting

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

Environmental characteristics

- 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)

