



FEATURES

- stand-alone use or interface to WinELD Dose Management Software
- display of Session and Assignment doses and dose reset capability
- EIA RS-232C serial or optional 10Base-T internal Ethernet LAN interface
- back-up batteries and internal buffer memory for securing the operation in all conditions
- rugged construction with heavy duty keypad
- wall mounting option
- PTB approved configuration available

DBR-1

DIS Dosimeter Reader

The DBR-1 Dosimeter Reader is designed to read DIS-1, DIS-1H3 and EDIS-1 dosimeters assembled in the DDH snap-in dosimeter holders.

The dosimeter badge 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 reader display and stored in a 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.



health physics

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Featuring:

RADOS

TECHNICAL SPECIFICATIONS:	
Physical Characteristics	<ul style="list-style-type: none"> gold plated connector for dosimeter reading rugged metal case size (WxHxD): 250 x 265 x 210 mm (9.84 x 10.43 x 8.27 in) weight: 8.5 kg (18.7 lbs)
Functional Characteristics	<ul style="list-style-type: none"> display of Hp(10), Hp(0.07), Hp(3) and Hp*(10) doses reset of the session doses 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	<ul style="list-style-type: none"> 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 10Base-T internal Ethernet LAN adapter table top mounting optional wall mounting kit
Environmental Characteristics	<ul style="list-style-type: none"> operating temperature: <ul style="list-style-type: none"> - from +10 °C to +40 °C (50 °F to 104 °F) storage temperature: <ul style="list-style-type: none"> - from -10 °C to +60 °C (14 °F to 140 °F) humidity: <ul style="list-style-type: none"> - 90% RH (non condensing)
Electrical Characteristics	<ul style="list-style-type: none"> mains voltage 100-240 VAC, 50-60 Hz, 0.2 A built-in back-up battery, 3 Ah, for minimum 16 h operation complies with CE standard
Configurable Operations	<ul style="list-style-type: none"> Session Dose reset in off-line mode Assignment or Session Dose primary display Hard Reset controlled by the WinELD software 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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