

DBR-2 DIS Dosimeter Reader



detection
monitoring
radiation

KEY 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 available



Nuclear
Power



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OVERVIEW

The DBR-2 Dosimeter Reader is designed to read DIS-1, DIS-1H3 and EDIS-1 dosimeters. 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.

DBR-2 DIS Dosimeter Reader

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
- 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
- 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)

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

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)

ELECTRICAL CHARACTERISTICS

- 15 VDC, 550 mA universal input voltage plug in power supply
- Built-in back-up battery, 1.2 Ah, for minimum 8 h operation
- Complies with CE standards



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TECHNOLOGIES