



# LDM 2000

Rugged industrial Dosimeter Reader



Nuclear  
Power



Healthcare



Homeland  
Security  
& Defense



Labs and  
Education



Industrial and  
Manufacturing

## OVERVIEW

LDM 2000 is an Electronic Dosimeter self issue rugged reader used to enter and exit radiological controlled areas.

The reader is driven by a dosimetry system in order to program the appropriate dosimeter alarm set points and to retrieve the dose at “exit” time. It can be connected to access control devices such as turnstiles.

Optional barcode reader allows inputs from the worker (identification, legal dosimeter)

## RELATED PRODUCTS

- DosiServ, DosiCare dosimetry systems
- DMC 2000, DMC 3000 dosimeters and modules

## KEY FEATURES

- Connection to the dosimetry system via TCP/IP network
- Local emergency mode in case of network unavailability (capacity of 2000 entry/exit transactions)
- Worker guidance through the area access protocol (configurable steps)
- «Hand-free» mode in a way to configure dosimeter through protective coveralls
- Downloadable configuration
- Optional dedicated barcode reader or security badge readers can be connected in order to identify the worker during the entry protocol
- Digital I/O allowing the control of access control devices (turnstiles/body monitor)

## FUNCTIONAL CHARACTERISTICS

- Back-light alphanumeric display with 4 lines of 20 characters
- **4 indicator lights:**
  - 2 lights for viewing dosimeter exchanges and monitor function indicator
  - 2 access control lights
- keypad for data input
- Hands-free mode with adjustable range
- 2000 transactions storage in offline mode
- Automatically restores local data when the network becomes available.

## ELECTRICAL CHARACTERISTICS

### Power supply:

- 85 to 265 V AC 50 to 60 Hz
- Typical consumption 25 VA

### Connections:

- TCP/IP network
- 3 isolated digital inputs
- 3 relay outputs
- 1 RS 232 serial interface for auxiliary input
- 1 RS232 port for body monitor communication (area exit)
- 1 external antenna connection

## MECHANICAL CHARACTERISTICS

- **Dimensions**
- Height: 235 mm (9.2 in)
- Width: 297 mm (11.7 in)
- Depth: 97 mm (3.8 in)
- **Weight: 3.67 kg (8 lbs)**

## ENVIRONMENTAL CHARACTERISTICS

- Operating temperature: 0°C to +50°C ( 32°F to 122°F ) or -20°C to +60°C (-4°F to 140°F) option
- Storage temperature: -25°C to +60°C (-13°F to 140°F)
- EMC: complies and exceeds CE standards
- communications with DMC 3000 and DMC 2000 dosimeters using 125 kHz magnetic coupling
- Typical range :
  - 1.2 m (39.37") for hands-free reading (DMC 2000)
  - 2.4 m (78.74") with additional antenna

## OPTIONS AND ACCESSORIES

- With or without hands-free antenna
- Additional external antenna
- Sleeve for DMC 2000, DMC 3000 (Without hands free antenna)

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LDM 2000



LDM 2000 Sleeve



LDM 2000 Kiok