



LDM 320D & LDM 320W USB Dosimeter Reader

The LDM 320D and LDM 320W readers operate using software packages installed on computer (PC) and communicate with DMC 3000 dosimeter and DMC 2000 and SOR families in pass-by data exchange mode.

When used with the DOSICARE, DOSIFAST, or compatible access control software, the LDM 320 reader is used as an interface to activate a dosimeter (to switch into counting mode) or to deactivate it (to switch into pause mode).

When used with the DMCUser software, it functions as an interface to read and write to the internal data of the DMC 3000 and DMC 2000 dosimeters.

FEATURES

The LDM 320D and LDM 320W are compact, contactless and low-cost dosimeter readers

- No directional alignment required
- 3 Indicator LEDs for operation and access control
- Manageable digital inputs/outputs
- DSP based digital process
- Compatible with the DMC 2000 and SOR families, as well as the DMC 3000 dosimeter
- Compatible with software packages: DOSICARE, DOSIFAST, DMCUser and LDM 3000
- Wall mounting or desk versions

health physics

A Mirion Technologies Division

Featuring:



DESCRIPTION

- Two-color electroluminescent diode used as ON/OFF and data exchange indication
- Two-color electroluminescent diode for READY/BUSY indication
- Two-color electroluminescent diode for ACCESS/NO ACCESS indication
- 1 connector, 2 x 13-pins, 1.27 mm pitch female connectors for accessory options (4 digital inputs, 4 digital outputs, power supply)
- Upgradeable Firmware
- Multi antenna (x3) for better (adaptative) communication with dosimeters

ELECTRICAL CHARACTERISTICS

- Self powered through USB port
- EMC: complies with and exceeds CE standards
- CE compliant (CE certificate: 151508B)

MECHANICAL CHARACTERISTICS

LDM 320D		
Length:	109 mm	(4.3 in)
Width:	100 mm	(3.9 in)
Depth:	29 mm	(1.1 in)
Weight:	150 gr	(5.3 oz)

LDM 320W		
Length:	157 mm	(6.2 in)
Width:	99 mm	(3.9 in)
Depth:	75 mm	(2.9 in)
Weight:	400 gr	(14.1 oz)

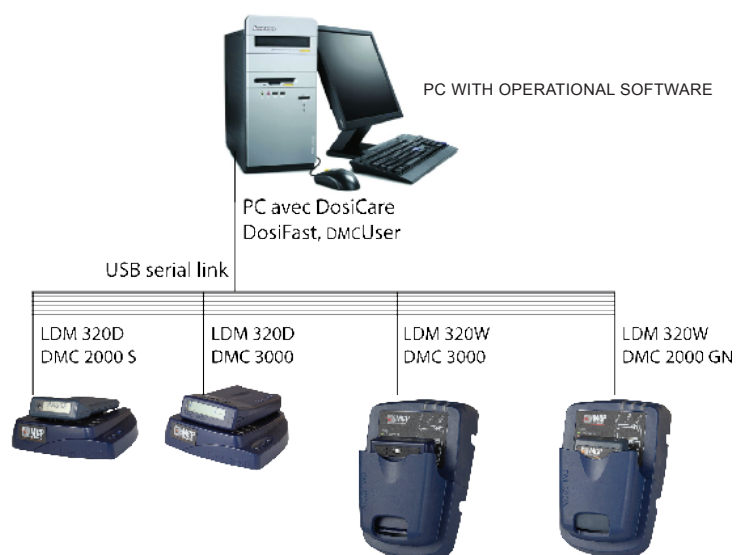
ENVIRONMENTAL CHARACTERISTICS

- Operating temperature: 0°C to +50°C (32°F to 122°F)
- Storage temperature: -10°C to +60°C (+14°F to 140°F)
- Humidity: 90% HR (without condensation)
- IP LDM 320D: IP52
- IP LDM 320W: IP30

COMMUNICATION WITH DOSIMETERS

- Short range high frequency bidirectional data exchange at 125 kHz
- Nominal range: LDM 320D
 - DMC 2000 / SOR: 25 cm* (9.8 in) maximum
 - DMC 3000: 5 cm (1.9 in) maximum

* The low range configuration reduces the range of communication of about 5 cm (1.9 in)



MIRION Health Physics
TECHNOLOGIES Division

Mirion Technologies (MGPI) Inc
5000 Highlands Parkway,
Suite 150
Smyrna Georgia 30082
USA

Mirion Technologies (MGPI) SA
Lieu-dit Calès,
route d'Eyguières
F-13113 Lamanon
France

Mirion Technologies (RADOS)
Oy
P.O. Box 506
FIN-20101 Turku
Finland

Mirion Technologies (RADOS)
GmbH
Ruhrstrasse 49
DE-22761 Hamburg
Germany

Mirion Technologies Shanghai
Branch
Room 801, 78 Jiangchang
San Lu, Zhabei District
Shanghai 200436
China

T +1 770 432 2744
F +1 770 432 9179

T +33 4 90 59 59 59
F +33 4 90 59 55 18

T +358 2 468 4600
F +358 2 468 4601

T +49 40 851 93-0
F +49 40 851 93 256

T +86 21 6180 6920
F +86 21 6180 6924

www.mirion.com
151199EN-A