



MIRION
TECHNOLOGIES

LDM 320D™ LDM 320W™

Hands-Free Dosimeter Readers



LDM 320D



LDM 320W

KEY FEATURES

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

- Hands-free communication with dosimeters
- 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, iPAM-Tx as well as the DMC 3000 dosimeter
- Compatible with software packages: DosiCare, DosiFFR, DMCUser and LDM 3000SW
- Wall-mounted or desk versions

OVERVIEW

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 hands-free data exchange mode.

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



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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 female connector, 2 x 13-pins, 1.27 mm pitch, for accessory options (4 digital inputs, 4 digital outputs, power supply)
- Upgradeable Firmware
- Multi antennas (x3) for better (adaptative) communication with dosimeters

ELECTRICAL CHARACTERISTICS

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

MECHANICAL CHARACTERISTICS

LDM 320 D		
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 320 W		
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 low frequency bidirectionnal 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)

