

Laser Classification

The CEM produced a visible laser beam which emerges from the front of the instrument.

Laser Class 2 products:

Do not stare into the laser beam or direct it towards other people unnecessarily. Eye's protection is normally afforded by aversion responses including the blink reflex.



WARNING:

Looking directly into the beam with optical aids (e.g. binoculars, telescopes) can be hazardous.

Precautions:

Do not look directly into the beam with optical aids.




CAUTION:

Looking into the laser beam may be hazardous to the eyes.


Precautions:

Do not look into the laser beam. Make sure the laser is aimed above or below eye level.

Display Illumination

 Click illumination/UNITS button of the display can be switched on or off, user can trigger the function when he/she is in darkness situation. The value is clear visible on the LCD

Distance Unit Setting For Instrument

 Click the button longer to change the next type of unit, **m**, **ft. in**, **ft+in** then continue to click the button for the next unit selection

6. Technical Data

Technical Specifications	Model: LDM-100
Range	0.05 to 50 m*(0.16 ft to 164 ft*)
Measuring accuracy up to 10m (2σ , standard deviation)	Typically: ± 1.5 mm** (± 0.06 in**)
Measuring units	m,in,ft
Laser Class	Class II
Laser Type	635 nm, <1mW
Area, Volume Calculations	•
Indirect measurement using Pythagoras	•
Addition/Subtraction	•
Continuous Measurement	•
Min/Max Distance Tracking	•
Display illumination and multi-line display	•
Beep indication	•
Dust Protect/Splash proof	IP 54
History measurement records	20

7.Troubleshooting – Causes and Corrective Measures

Code	Cause	Corrective measure
204	Calculation error	Repeat procedure
208	Received signal too weak, measurement time too long. Distance >50m	Use target plate
209	Received signal too strong	Target too reflective(use target plate)
252	Temperature too high	Cool down instrument
253	Temperature too low	Warm up instrument
255	Hardware error	Switch on/off the device several times, If the symbol still appears, please contact your dealer for assistance.

8.Measuring Sonditions

Measuring Range

The range is limited to 50m.

At night or dusk and if the target is in shadow the measuring range without target plate is increased. Use a target plate to increase the measurement range during daylight or if the target has poor reflection properties.

Target Surfaces

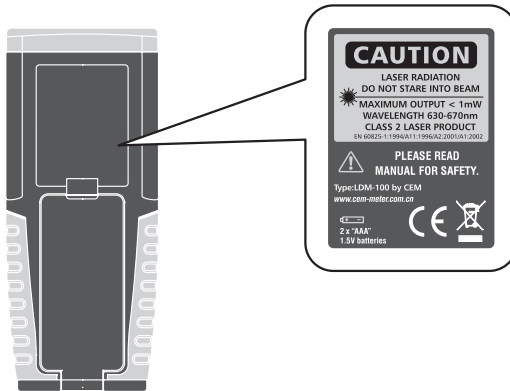
Measuring errors can occur when measuring toward colorless liquids (e.g. water) or dust free glass, Styrofoam or similar semi-permeable surfaces. Aiming at high gloss surfaces may deflect the laser beam and lead to measurement errors.

Against non-reflective and dark surfaces the measuring time may increase.

Care

Do not immerse the instrument in water. Wipe off dirt with a damp, soft cloth. Do not use aggressive cleaning agents or solutions. Handle the instrument as you would a telescope or camera.

9. Labelling



Di-LOG instruments are subject to stringent quality controls. If in the course of normal daily use a fault occurs we provide a 24 month warranty (only valid with proof of purchase). Faults in manufacture and material defects will be rectified by us free of charge, provided the instrument has not been tampered with and returned to us unopened. Damage due to dropping, abuse or misuse are not covered by the warranty.

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