

**Features of LDM 600-232 Laser distance meter**

- \* *Pulsed laser distance meter working from 4 meter to 600 meter*
- \* *Computer output over RS 232 port at up to 200 Hz*
- \* *1 meter accuracy solution needed in working on natural reflex of target*
- \* *Invisible infra red light and no moving parts*

LDM 600-232 is a pulsed laser distance meter using the time of flight principle. The laser gives a very short pulse and a counter measure the time for the diffuse reflected light comes back to the detector inside the unit. This is recalculated to distance and the distance value is transmitted over a RS 232 port for communication with external computers etc.

There is an integrated red point sight which can be used for aiming the device to the target area. This works in darkness and full sunshine and is easy to operate.

There is a display which can be used when low repetition rates are used and here operator can see the real value direct on the rear end of the unit. This is very usable when the unit is calibrated.

The integrated microprocessor can be controlled from out side and trigged for controlled firing rate or the system can be set to measure at maximum speed.

Encapsulation is a plastic enclosure which needs extra encapsulation when used in applications where water may pour over the outer surface.

*Pls. see other data sheets of Laseropttronix Products*

*Many of our products are protected by patents*

*Data sheet nr LDM 600-232 05 04 26*

LASEROPTRONIX  
Bergdalen 2  
172 79 Sundbyberg  
Sweden  
Web site [www.laseropttronix.se](http://www.laseropttronix.se)

Tel: 46-70 714 04 70  
Fax to office: 46-8-668 05 19  
(5 km North Stockholm)

E-mail [info@laseropttronix.se](mailto:info@laseropttronix.se)



### Red point aiming system.

There is an integrated aiming system based on a red point sight. This makes it easy to align the invisible infrared beam to the target. Spot diameter corresponds to the diameter of the laser beam.



### Technical specifications of LDM 600-232 distance meter unit

Distance range 4 meter to 400 meter

Accuracy better than  $\pm 1$  meter measured at  $\pm 1$  Sigma at max range in sunshine

Measuring speed max 200 Hz internally or trigged from outside on demand

Connection by a 1 meter long cable and D-Sub at end for PC 232 and red/black for power

Operating voltage 5-6 Volt DC well regulated

Power consumption 150 mA at full 200 Hz repetition rate

Electrical encapsulation IP 44 in macrolon plastic.

Laser beam class 1 equal to harmless for the eyes

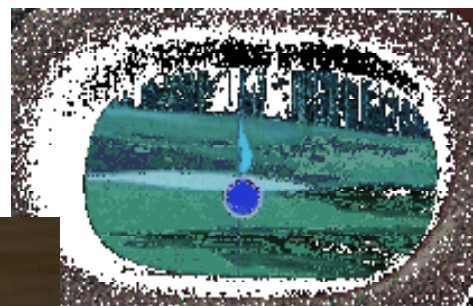
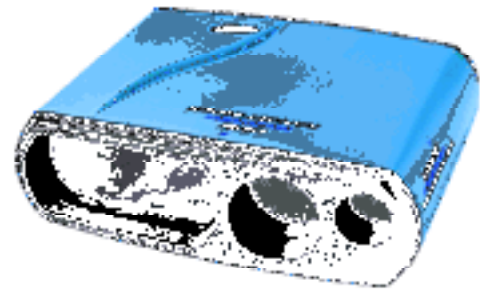
Beam diameter at exit 20 mm  $\pm$  2 mm

Beam diameter at 100 meter distance less 300 mm

Vavelength 905 nm in near IR, Laser diode based transmi

Weight about 200 gram with plastic casing

Dimensions 128x100x42 mm



Special model with water proof encapsulation

LASEROPTRONIX  
Bergdalen 2  
172 79 Sundbyberg  
Sweden  
Web site [www.laseroptronix.se](http://www.laseroptronix.se)

Tel: 46-70 714 04 70  
Fax to office: 46-8-668 05 19  
(5 km North Stockholm)

E-mail [info@laseroptronix.se](mailto:info@laseroptronix.se)