

# Professional Laser Distance Meter



High Accuracy ( $\pm 1.5\text{mm}$ )



Backlight



Clear display

LDM-180/200/220 professional Laser Distance Meter is designed to provide special users a high accuracy, one person distance measuring and estimating tool to measure remote and difficult to reach places. The compact and handy base model was specifically designed for indoor applications. Shortcut keys for addition, subtraction, Pythagoras, area and volume calculation make measuring fast and very reliable. The last 50 measurements are also stored.

Meterbox iLDM software & cloud server support to transfer the measured data to the customer's smartphone for edit and storage.

### Meterbox-iLDM Software for Laser Distance Meter

Amazing features and built-in apps.

The Meterbox-iLDM software can support our Laser Distance Meter product transferring the measured data to the customer's smartphone. Customers can easily use the software to check, transfer or edit the data with table and chart.

They also have powerful cloud functions such as computing and storage service.



LDM-180/200/220 professional Laser Distance Meters integrated with 2.4" color TFT LCD display, and the powerful embedded operating system support including large-capacity data storage, MicroSD memory card, and high pixel camera. The series offers Bluetooth interface with computer or mobile phone connection, you can use meterbox software provided by CEM to interact with these range finders. The user can be back with measured data and recorded images(JPEG) or video(3GP) in office to analyze the measured readings under the support of the software.



HMC  
FN: 61326  
EN: 60825-1



Made for  
iPod iPhone iPad

### Features

	LDM-180	LDM-200	LDM-220
2.4" TFT 320x240 pixels color LCD display		*	*
Camera built-in			*
Images(JPEG) & Video(3GP)			*
MicroSD memory card & datalogger function			*
Electrical compass		*	*
Angle measurement using tilt sensor( $\pm 65^\circ$ )		*	*
Area, Volume Calculations	*	*	*
Indirect measurement using Pythagoras	*	*	*
Addition/Subtraction	*	*	*
Continuous Measurement	*	*	*
Min/Max Distance Tracking	*	*	*
Timer (self-triggering)	*	*	*
Laser continuous	*	*	*
Stake out function	*	*	*
Display illumination and multi-line display.	*	*	*
Buzzer indication	*	*	*
Multifunctional end pieces	*	*	*
Bluetooth interface	*	*	*
Meterbox iLDM & cloud service	*	*	*



Model 200



Model 180

### Specifications

	LDM-180	LDM-200	LDM-220
Measuring Range	0.05 to 80 m(0.15 ft to 229 ft)	0.05 to 100m(0.15ft to 328ft)	0.05 to 120m(0.15ft to 328ft)
Measuring accuracy( $2\sigma$ )	Typically: $\pm 1.5\text{mm}(-0.06\text{in})$	Typically: $\pm 1.5\text{mm}(-0.06\text{in})$	Typically: $\pm 1.5\text{mm}(+0.06\text{in})$
Smallest unit displayed	1mm	1mm	1mm
Measuring units	m, in, ft	m, in, ft	m, in, ft
Laser Class	Class II 635 nm, < 1mW	Class II 635 nm, < 1mW	Class II 635nm, < 1mW
Range of bluetooth	10m	10m	10m
Camera pixels			5Mega
Compass Measuring range		0-360°	0-360°
Compass Measuring accuracy		$\pm 2^\circ$	$\pm 2^\circ$
Tilt sensor Measuring range	$\pm 65^\circ$	$\pm 65^\circ$	$\pm 65^\circ$
Tilt sensor Measuring accuracy		$\pm 0.5^\circ$	$\pm 0.5^\circ$
Dust Protect/Splash proof	IP 54	IP 54	IP 54
History measurement records	50	100	100
Keyboard Type	Super Soft-Touch (Long life)	Super Soft-Touch (Long life)	Soft-Touch Keypad
Operating Temperature	-10°C to 50°C(14°F to 122°F)	-10°C to 50°C(14°F to 122°F)	-10°C to 50°C(14°F to 122°F)
Storage Temperature	-20°C to 70°C(-4°F to 158°F)	-20°C to 70°C(-4°F to 158°F)	-20°C to 70°C(-4°F to 158°F)
Battery Life	Up to 8,000 measurements	Up to 5,000 measurements	Up to 5,000 measurements
Auto laser switch-off	after 0.5 min	after 0.5 min	after 0.5 min
Auto instrument switch-off	after 3 min	after 3 min	after 3 min

Size(HxWxD): 140mm x 55mm x 35mm  
Weight: 145g

Accessories:  
2 x 1.5V AA batteries and gift box with carrying case.



Model 220

Dual Technology Features Automatic Selection of Magnetic Induction or Eddy Current Measurement Techniques



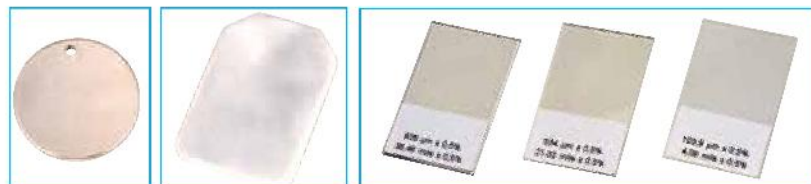
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Features	
Non-magnetic coatings(e.g. paint, zinc)on steel	
Insulating coatings(e.g. paint)on no-ferrous metals	
No-ferrous metals coatings on insulating substrates	
Menu operation system	
Two measuring modes: CONTINUE and SINGLE mode	
Two working modes: DIRECT and GROUP mode	
Statistic Display: AVG, MAX, MIN, NO., S.DEV	
One point calibration, two points calibration and basic calibration easily	
Memory for 400 readings(80 DIRECT and 320 GROUP readings)	
Delete single readings and all group readings easily	
High alarm and Low alarm for all working modes	
Low battery, error indication	
USB interface for PC software	

Specifications		
Sensor probe	F	N
Working principle	magnetic induction	Eddy current principle
Measuring range	0~1250um	0~1250um
Guaranteed tolerance (of reading)	(1/- 3%  1)um	(1/- 3%  1.5)um
Low range Precision	0.1um	0.1um
Minimum curvature radius	1.5mm	3mm
Diameter of Minimum area	7mm	5mm
Basic critical thickness	0.5mm	0.3mm



Model 156

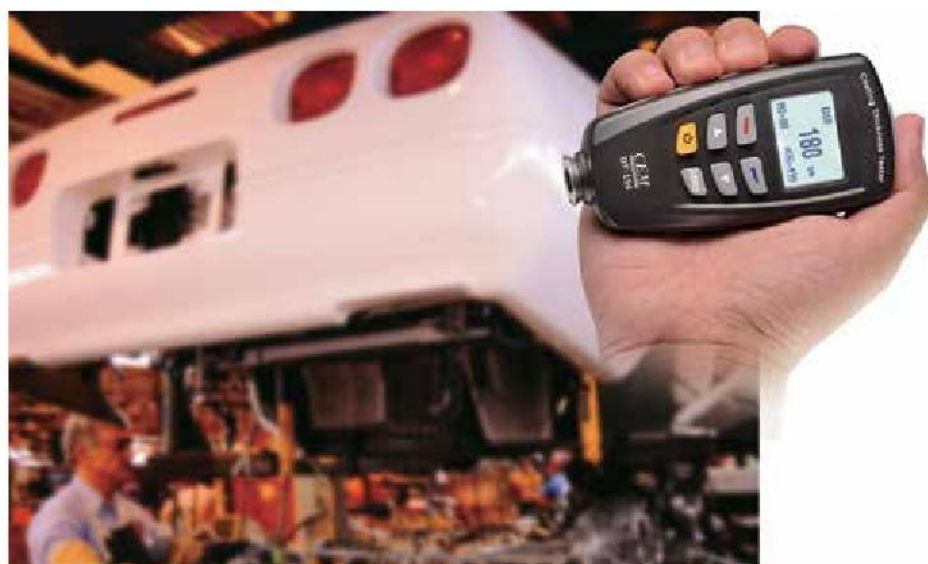


Calibration Iron    Calibration Aluminum    Precision Standard



**Size(HxWxD):** 113.5mm x 54mm x 27mm  
**Weight:** 110g

**Accessories:**  
Two "AAA" batteries, USB cable, CD, Calibration Iron, Calibration Aluminum, Precision Standard, gift box with carrying case.



Dual Technology Features Automatic Selection of Magnetic Induction or Eddy Current Measurement Techniques. The measuring data is easily transferred to PC for edit and storage.

Features	
Non-magnetic coatings(e.g. paint, zinc)on steel	
Insulating coatings(e.g. paint)on no-ferrous metals	
No-ferrous metals coatings on insulating substrates	
Menu operation system	
Two measuring modes: CONTINUE and SINGLE mode	
Two working modes: DIRECT and GROUP mode	
Statistic Display: AVG, MAX, MIN, NO., S.DEV	
One point calibration, two points calibration and basic calibration easily	
Memory for 2500 readings( 50 GROUP readings)	
Delete single readings and all group readings easily	
High alarm and Low alarm for all working modes	
4 levels of battery indication	
Error indication	
Bluetooth interface	
Easily adapt to lighting conditions with 8 levels of backlight	

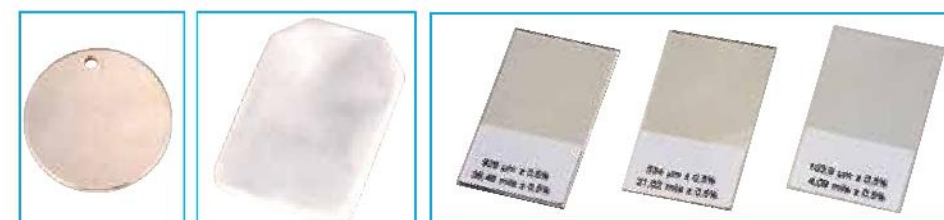
Specifications		
Sensor probe	F	N
Working principle	magnetic induction	Eddy current principle
Measuring range	0~2000um	0~2000um
Guaranteed tolerance (of reading)	(1/- 2%  2)um	(1/- 2%  2)um
Low range Precision	0.1um	0.1um
Minimum curvature radius	1.5mm	3mm
Diameter of Minimum area	7mm	5mm
Basic critical thickness	0.5mm	0.3mm



EMC  
EN: 61326



Model 157



Calibration Iron    Calibration Aluminum    Precision Standard

**Size(HxWxD):** 113.5mm x 54mm x 27mm  
**Weight:** 110g

**Accessories:**  
Two "AAA" batteries, CD, Calibration Iron, Calibration Aluminum, Precision Standard, gift box with carrying case.

