

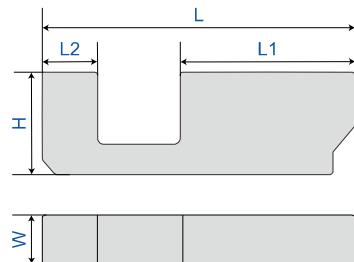
SMALL RANGE SCAN MICROMETERS



- Measure outer diameter, ellipticity, run-out, maximum diameter of tools, etc.
- Can be used for transparent or non transparent workpieces
- Simultaneous measurement of 4 outer diameters
- Tolerance measurement
- Online or offline measurement
- Connected with computer, PLC, control box

SPECIFICATION

Code	LDM-BF06	LDM-GC06
Measuring range	0.04~6mm	
Accuracy (at 25°C)	$\pm (0.3+10\%D)\mu\text{m}$, D is measuring diameter in mm	$\pm (0.5+10\%D)\mu\text{m}$, D is measuring diameter in mm
Repeatability (at 25°C)	$(0.1+5\%D)\mu\text{m}$, D is measuring diameter in mm	
Resolution	0.01/0.1/1/10/100 μm adjustable	
Measuring principle	red laser, class II, wavelength 650nm	CCD telecentric measurement system, green LED
Measuring speed	800 times/s	2400 times/s
Operation temperature	0~50°C	
Operation humidity	35~85% without condensation	
Output	RS485 (MODBUS RTU)	
Alarm output	24V, 1A	
Power supply	DC24V, 1A	
Dimension (L×W×H)	227×36×74mm	232×36×74mm
Net weight (with display)	1.86kg	2kg



Dimension (mm)

Code	LDM-BF06	LDM-GC06
L	227	232
L1	127	132
L2	40	
W	36	
H	74	

STANDARD DELIVERY

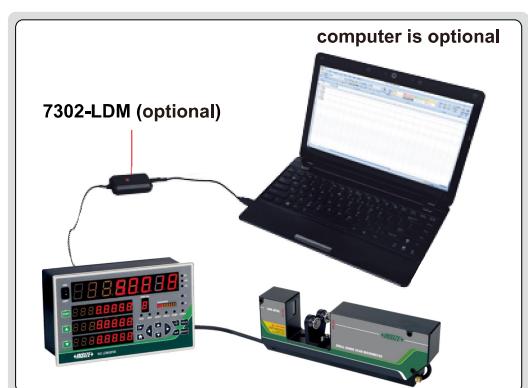
Main unit	1 pc
AC/DC adapter	1 pc
RS485 cable	1 pc



calibration gauge
(optional)

STANDARD DELIVERY

Data output cable (keyboard format)	7302-LDM
Calibration gauge	customizable
Control box	customizable
Computer software	customizable



keyboard signal, can be transmitted to Excel

connected control box application



control box (optional)

main interface

historical curve

parameter setting

data query

The diagram illustrates a connected control box application for an outer diameter monitoring system. It features a control box with a display and a handheld device with a probe connected to a workpiece. The application includes four software interface windows: 1) Main interface: Shows a digital display with '0.0000 mm', measurement parameters (Max: 0.0000, Min: -0.0000, CPK: -99.000), and tolerance values (Standard value: 10.0000, Upper tolerance: 0.0600, Lower tolerance: 0.0600). 2) Historical curve: Displays a graph of measured data over time, with historical data showing a measured value of 0.0000 and a standard value of 10.0000. 3) Parameter setting: Allows setting parameters like standard value (10.0000), upper tolerance (0.0600), lower tolerance (0.0600), and real-time CPK (25-100). 4) Data query: Shows a table of measurement data with columns for Date, Time, Standard, Measured, Deviation, and Status.