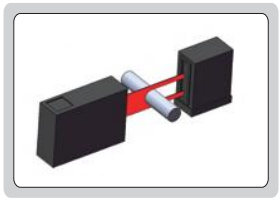
LASER SCAN MICROMETERS (ADVANCED TYPE)

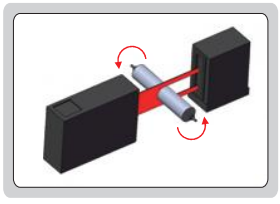


LDM-030

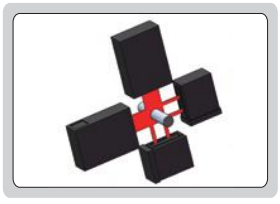
- Measure outer diameter, ellipticity, run-out, maximum diameter of tools,etc.
- Can be used for transparent or non transparent workpieces
- Simultaneous measurement of 4 outer diameters
- Tolerance measurement
- Online or offline measurement
- Connected with computer, PLC, control box



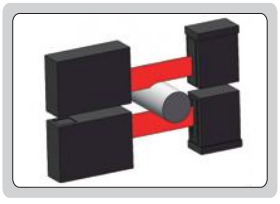
measure external diameter



measure ellipticity and run-out



two-axis measurement



large size measurement

SPECIFICATION

Code	LDM-030	LDM-060	LDM-085	LDM-130
Measuring range	0.1~30mm	0.5~60mm	1~85mm	1~130mm
Accuracy (at 25ºC)	± (0.5+10%D)μm, D is measuring diameter in mm		±6μm	±10μm
Small-range accuracy * (calibration position ±4mm, at 25ºC)	±1μm		±2μm	
Repeatability (at 25ºC)	(0.3+5%D)μm, D is measuring diameter in mm		3μm	
Resolution	0.01/0.1/1/10/100μm selectable			
Laser wave length	650nm			
Measuring speed	800 times/s			
Operation temperature	0~50°C			
Operation humidity	35~85% without condensation			
Output	RS485, network port			
Alarm output	24V, 1A			
Power supply	DC24V, 2A			
Dimension (L×W×H)	375×45.5×120mm	495×45.5×156mm	756×50×205mm	865×58×270mm
Net weight	5kg	8kg	10kg	15kg

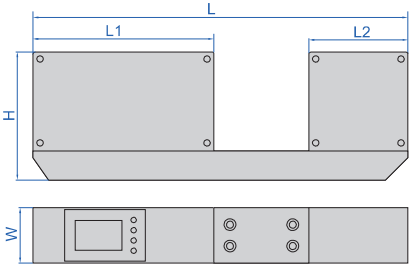
* The calibration position is set according to the customer's requirements before pre-factory

STANDARD DELIVERY

Main unit	1 pc
V-block	1 pc
AC/DC adapter	1 pc
RS485 cable	1 pc

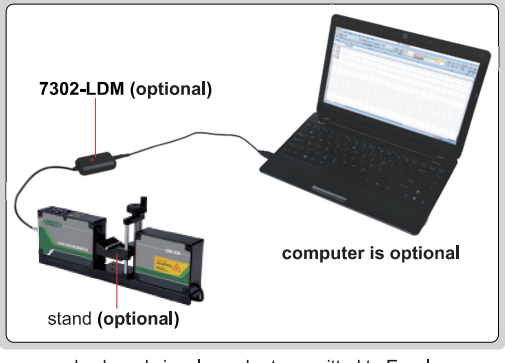
OPTIONAL ACCESSORY

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



Dimension **(mm)**

Code	LDM-030	LDM-065	LDM-085	LDM-125
L	375	495	756	865
W	45.5	45.5	50	58
H	120	156	205	270
L1	150	180	291	334.5
L2	115	152	231	209.5



keyboard signal, can be transmitted to Excel



calibration gauge (**optional**)

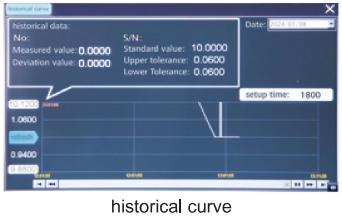


stand (**optional**)

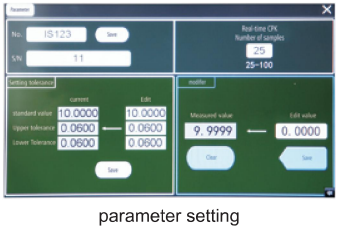




main interface



historical curve



parameter setting



data enquiry