

Calibration of
ring gauges



Calibration of
plug gauges



Calibration of
small ring gauges



Calibration of
thread ring gauges



Calibration of
thread plug gauges



Calibration of
external micrometers



Comparative checking of
gauge blocks < 250 mm



Comparative checking of
gauge blocks > 250 mm



Setting of 2-point
internal micrometers



Checking of
dial indicators



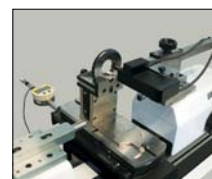
Checking of
test indicators



Checking of
snap gauges



Temperature compensation
system TempComp



Checking of taper
thread ring gauges



Special design for
measurement of large
taper threaded gauges

Technical data:

Labconcept		500	1000	1500	2000
Measuring range	mm (in)	400 (15)	800 (31)	1200 (47)	2000 (78)
Max. permissible errors ¹⁾	µm	0.3 + L (mm) / 1500			
Repeatability (2s) ¹⁾	µm	0.1			
Resolutions	mm (in)	0.01 ÷ 0.00001(.0001 ÷ .000001)			
Max. displacement speed	mm / s	1500			
Measuring force	N	0 ÷ 12			
Operational temperature	°C	+10 ÷ +40			
Temperature of storage	°C	-10 ÷ +40			
Relative humidity		20 ÷ 80			
Weight	kg	94	123	152	181
Labconcept Premium		300	500	1000	
Measuring range	mm (in)	370 (14)	550 (21)	1050 (41)	
Max. permissible errors ¹⁾	µm	0.1 + L (mm) / 2000	0.15 + L (mm) / 2000		
Repeatability (2s) ¹⁾	µm	0.05			
Resolutions	mm (in)	0.01 ÷ 0.00001 (.0001 ÷ .000001)			
Max. displacement speed	mm / s	400			
Measuring force	N	0 ÷ 12			
Operational temperature	°C	+10 ÷ +40			
Temperature of storage	°C	-10 ÷ +40			
Relative humidity		20 ÷ 80			
Weight	kg	78	95	125	

¹⁾ Values valid at temperature of 20 ± 0.2 °C and relative humidity of 50 ± 5%.