

Optima Advantage

2D Height Gauges

Precihite



- ☞ Both Optima Advantage (OA) and Precihite (PH) are with motorized Probe movement
- ☞ Active Temperature compensation
- ☞ Programming, Tolerancing and Statistical process control (SPC)
- ☞ Controller with graphic display
- ☞ Ergonomic design of air bearing operation
- ☞ Multiple reference points
- ☞ Quick Squareness measurement
- ☞ DXF export to CAD software



Measuring cycles

- ☞ Contact above / below
- ☞ Shaft above / below
- ☞ Bore above / below
- ☞ Groove & Ledge measurement
- ☞ Squareness measurement
- ☞ Parallelism measurement
- ☞ Angle measurement
- ☞ Programming facility
- ☞ Statistical Process Control
- ☞ mm / inch conversion
- ☞ 1000 step memory
- ☞ All 2D Measurement

Specifications

OA 450/PH 450

OA 600/PH 600

OA 1000/PH 1000

Measuring range	450 mm	600 mm	1000 mm
Expandable range	765 mm	915 mm	1315 mm
Resolution	0.010 / 0.005 / 0.001 / 0.0005 mm		
Repeatability (2σ)	On Plane ≤ 0.002 mm (OA) / 0.0015 mm (PH) On Bore ≤ 0.003 mm (OA) / 0.003 mm (PH)		
Max. Measurement speed	600 mm/sec		
Measuring force	1.0 N ± 0.2		
Max. Permissible error *	For OA - 2.5 +L / 300 μm For PH - 2 +L / 330 μm (L= Length in mm)		
Squareness **	6.5 μm / 5 μm	10 μm / 6 μm	12 μm / 10 μm
Operation time (battery)	8 hrs		
Operation temperature	10°C to 40°C		
Weight	22 Kg / 23 Kg	24 Kg / 25 Kg	28 Kg / 30 Kg
Standard probe	OA Carbide ball Ø 6 X 48 mm / PH Ruby ball Ø 6 X 48 mm		

* Values valid with standard ball probe at temperature 20°C ± 0.5°C

** With electronic probe Magnascan100



Contact Above



Bore Measurement



Shaft Measurement



Groove / Ledge measurement