

OptiHite

1D Height Gauges

Optima X



- 👁️ OptiHite (OH) with Motorised probe movement
- 👁️ Optima X (OX) with Manual probe movement
- 👁️ Controller with graphic display
- 👁️ Ergonomic design of air bearing operation
- 👁️ Multiple reference points
- 👁️ Zero setting at any point
- 👁️ Passive temperature compensation
- 👁️ USB & RS232 port for communication



Measuring cycles

- 👁️ Contact above / below
- 👁️ Shaft above / below
- 👁️ Bore above / below
- 👁️ Groove & Ledge measurement
- 👁️ Squareness measurement
- 👁️ Parallelism measurement
- 👁️ Preset at any point
- 👁️ MIN MAX DELTA Function
- 👁️ mm / inch conversion
- 👁️ 500 step memory
- 👁️ 1D Measurement

Specifications

OH 450/OX 450

OH 600/OX 600

OH 1000/OX 1000

Measuring range	450 mm	600 mm	1000 mm
Expandable range	765 mm/750 mm	915 mm/900 mm	1315 mm/1300 mm
Resolution	0.010 / 0.005 / 0.001 / 0.0005 mm		
Repeatability (2σ)	On Plane ≤ 0.002 mm On Bore ≤ 0.003 mm		
Max. Measurement speed	600 mm/sec		
Measuring force	1.2 N ± 0.2		
Max. Permissible error *	2.5+L / 250 μm (L= Length in mm)		
Squareness **	6.5 μm	10 μm	15 μm
Air Cushion	Standard		
Operation time (battery)	16 hrs		
Operation temperature	10°C to 40°C		
Weight	22 kg	24 kg	28 kg
Standard probe	Carbide ball dia 6 X 48 mm		

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

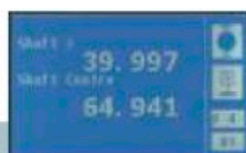
** With electronic probe Magnascan50



Groove measurement



Bore measurement



Shaft measurement



Above measurement