



OPTIHITE 2G

2nd Generation 1D Height Measuring Instrument



-  **OptiHite (OH) with Motorised probe movement**
-  **Li Ion battery with 20 Hr backup**
-  **Controller with TFT screen with high brightness**
-  **Ergonomic design of air bearing operation**
-  **Multiple reference points**
-  **Zero setting at any point**
-  **Passive temperature compensation**
-  **USB & RS232 port for communication**
-  **USB pendrive input**

← 6 Ref 0		r3	
55.8620 _{mm}			
15.5450 _{mm}			
119	↔	-	40.0090
120	○	-	5.5815
121	⊖	-	45.6550

Groove measurement

← 1 Ref 0		r3	
27.6715 _{mm}			
84.3780 _{mm}			
123	⊖	-	82.5490
124	↔	-	84.1970
125	↔	-	96.9660

Bore measurement

← 6 Ref 0		r3	
5.5815 _{mm}			
45.6550 _{mm}			
117	↔	-	32.1285
118	↔	-	11.2200
119	↔	-	40.0090

Shaft measurement












← 6 Ref 0		r3	
40.0090 _{mm}			
114	↔	-	12.8650
115	↔	-	20.2160
116	↔	-	0.6360
117	↔	-	32.1285
118	↔	-	11.2200

Above measurement



Optihite 2G

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
-  1D measurement
-  mm / inch conversion
-  500 step memory

Specifications

OH 450

OH 600

OH 1000

Specifications	OH 450	OH 600	OH 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 (2 σ)	On Plane \leq 0.002 mm On Bore \leq 0.003 mm		
Max. Measurement speed	600 mm/sec		
Measuring force	1.2 N \pm 0.2		
Max. Permissible error *	2.5+L / 250 μ m (L= Length in mm)		
Squareness **	6.5 μ m	10 μ m	15 μ m
Air Cushion	Standard		
Operation time (battery)	20 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 \pm 0.5°C

** With electronic probe Magnascan50

Manufactured & Marketed By:

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