

ALTERA C HA



Higher accuracy for reduced measurement uncertainty

Model shown: ALTERA 15.9.7 HA with
PH10M probe head and SP25M scanning probe

Optimized precision for tight tolerance parts

Master your daily metrological challenges with maximum precision, ALTERA C HA (high accuracy) delivers the best possible results for every measurement challenge, helping you to meet those ever increasing demands for quality improvement

Contact us to book your demonstration

www.LKmetrology.com

ALTERA C HA

To achieve the best possible measuring results within the shortest possible time requires a perfectly balanced system. ALTERA C HA is the best combination of precision measuring machine, latest sensor technology and up-to-date software. Manufacturers can tailor the capabilities of ALTERA C HA to align with their needs for automated inspection using options and accessories.

Probe Heads

	PH10T PLUS	PH10M PLUS
		
Head Type	Motorised Indexing	Motorised Indexing
Head Positions	720	720
Head Tilt	0° to +105° in 7.5° steps	0° to +105° in 7.5° steps
Head Rotation	0° to ±180° in 7.5° steps	0° to ±180° in 7.5° steps
Touch Probe	TP200	TP200
Scanning Probe	-	SP25M



Performance

Model Size	7.7.5	10.7.5	10.7.7	12.9.7	15.9.7
Volumetric Accuracy $\mu\text{m L}=\text{mm}$	1.3+L/350	1.3+L/350	1.4+L/350	1.7+L/410	1.7+L/410
Repeatability μm	1.3	1.3	1.4	1.5	1.5
Probing μm	1.7	1.7	1.7	1.9	1.9
Scanning $\mu\text{m/sec}$	2.0 / 50 2.8 / 40	2.0 / 50 2.8 / 40	2.0 / 50 2.8 / 40	2.2 / 50 3.0 / 40	2.2 / 50 3.0 / 40
Velocity mm/sec	548	548	548	548	548
Acceleration mm/sec^2	1392	1392	1392	1392	1392



LK Metrology's ceramic technology CMM is guaranteed to maintain its original specification for a period of 10 years*

*Conditions apply, see LK Metrology website for details.



Enduring Accuracy

Ultra-stable ceramic bridge and spindle guideway with high resolution 0.05 μm optical scales.



Precise Motion

Granite table guideway with unique single orifice grooved pre-loaded air bearings for precise motion control at high-speeds.



Anti-Vibration System

Optional self-levelling vibration isolation for optimum performance in areas subject to high levels of low frequency vibration.



Automation Ready

Solutions for in-line CMM shop-floor measurement and stand-alone CMM measurement cells.