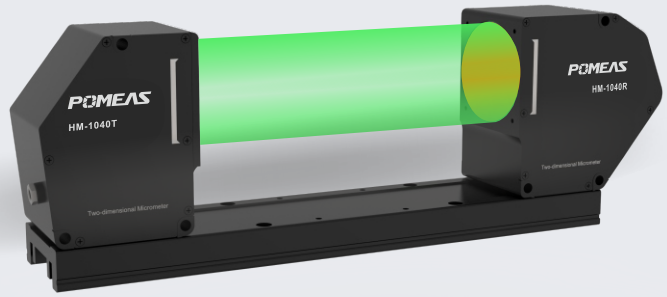
POMEAS



TELECENTRIC MEASUREMENT SYSTEM | HM-Series

Silhouette-based analysis for guaranteed accuracy

Products

Accurate measurement even if the workpiece is out of position

Adoption of high depth of field telecentric system design, to ensure the measurement accuracy of workpiece in the depth of field range of arbitrary offset;

Guaranteed accuracy across the entire field of view area

The near distortion-free design coupled with the full field of view face refinishing ensures accurate measurements across the entire field of view area;

Easy setup with a wealth of tools

Equipped with testing tools suitable for a wide range of measurement items; new interface setting display is more intuitive.

Product Parameter			
Model			HM-1040
Transmitter/receiver Distance			180mm
Measurement Range	Field Of View	High-accuracy Measurement Area	φ26mm
		Measurement Area	φ40
	Depth Of Field	High-accuracy Measurement Area	10mm
		Measurement Area	20mm
Exposure Time			35/70/150μs (3 adjustable stages)
Imaging Time (trigger Interval)			Approx. 34ms (when both the vertical and horizontal dimensions of the measurement range are Full) Approx. 5ms (when both the vertical and horizontal dimensions of the measurement range are 1/4)
Light Source			InGaN Green LEDs
Measurement position accuracy *1		High-accuracy measurement area	±1 μm
		Measurement Area	±2 μm
Repeatability *2			±0.08 μm
Environmental Resistance		Enclosure rating*3	Ip64
		Operating ambient temperature	0to +45° C
		Operating ambient humidity	Below 85%RH (non-condensing)
Materia			Aluminium
Weight		Transmitter	approx. 620 g
		Receiver	approx. 890 g
		Base	approx. 670 g

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