

Vision Measuring System Quick Scope Series



High-speed Image Auto Focus achieves stable focusing.



Vision Measuring System Quick Scope Series

FEATURES

- High definition and high-speed auto focus 3-megapixel camera
- 4-guadrant LED ring light using high-intensity LED provides better observation performance
- Interchangeable objective lens zoom unit provides a very sharp image thanks to the high numerical aperture

Instant image auto focus

Since non-contact measurement requires the workpiece to be only lightly fixed to the stage, height measurement can be performed efficiently. Also, in contrast to a laser-equipped microscope, measurement is less influenced by the surface roughness of the workpiece.



Interchangeable objective lens zoom unit

4-quadrant LED ring light

LED sources are standard for all illumination methods. Color tone is kept constant even after illumination intensity adjustment so high color-reproducibility observation is possible. In addition to stage and coaxial lighting, 4-quadrant reflected illumination is provided to enable contrast of surface features to be adjusted so that edge detection accuracy is maximized.



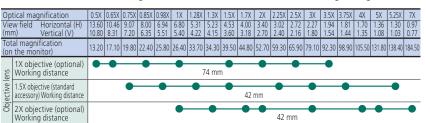
The newly designed 7X-zoom unit and optional interchangeable objectives provide magnification from 13X-184X on the monitor. A wide range of measurement is covered: wide view measurement at low magnification, to micro-measurement at high magnification.





(standard accessory) (optional)

(optional)



SPECIFICATIONS

		QS-L2010Z/AFC	QS-L3017Z/AFC	QS-L4020Z/AFC
Drive method		X/Y axes: Manual Z axis: CNC with Auto focus		
Observation		zoom unit (in 8 steps)		
Measuring range (X×Y×Z)		200×100×150 mm	300×170×150 mm	400×200×150 mm
Resolution / Scale type		0.1 µm / Linear encoder		
Indication accuracy *1	X axis, Y axis	(2.2+20L / 1000) μm		
	Z axis	(4.5+0.006L) μm		
Optical magnification		0.5X to 3.5X (with 1X objective) optional		
		0.75X to 5.25X (with 1.5X objective) standard		
		1.0X to 7.0X (with 2X objective) optional		
Illumination		Co-axial light / Stage light / 4-quadrant ring light (LED)		

*1: L = measuring length (mm)

Specification applicable at 20 °C, optical magnification 2.5X.

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