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LS-5121

Sensor Head

CE

*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

This model has been discontinued. Contact Us: 1-888-539-3623
Compliance with the certification standard is ensured as of the time of shipment from our company.

Recommended Replaceable Products: High-speed optical micrometer - LS-9000 series

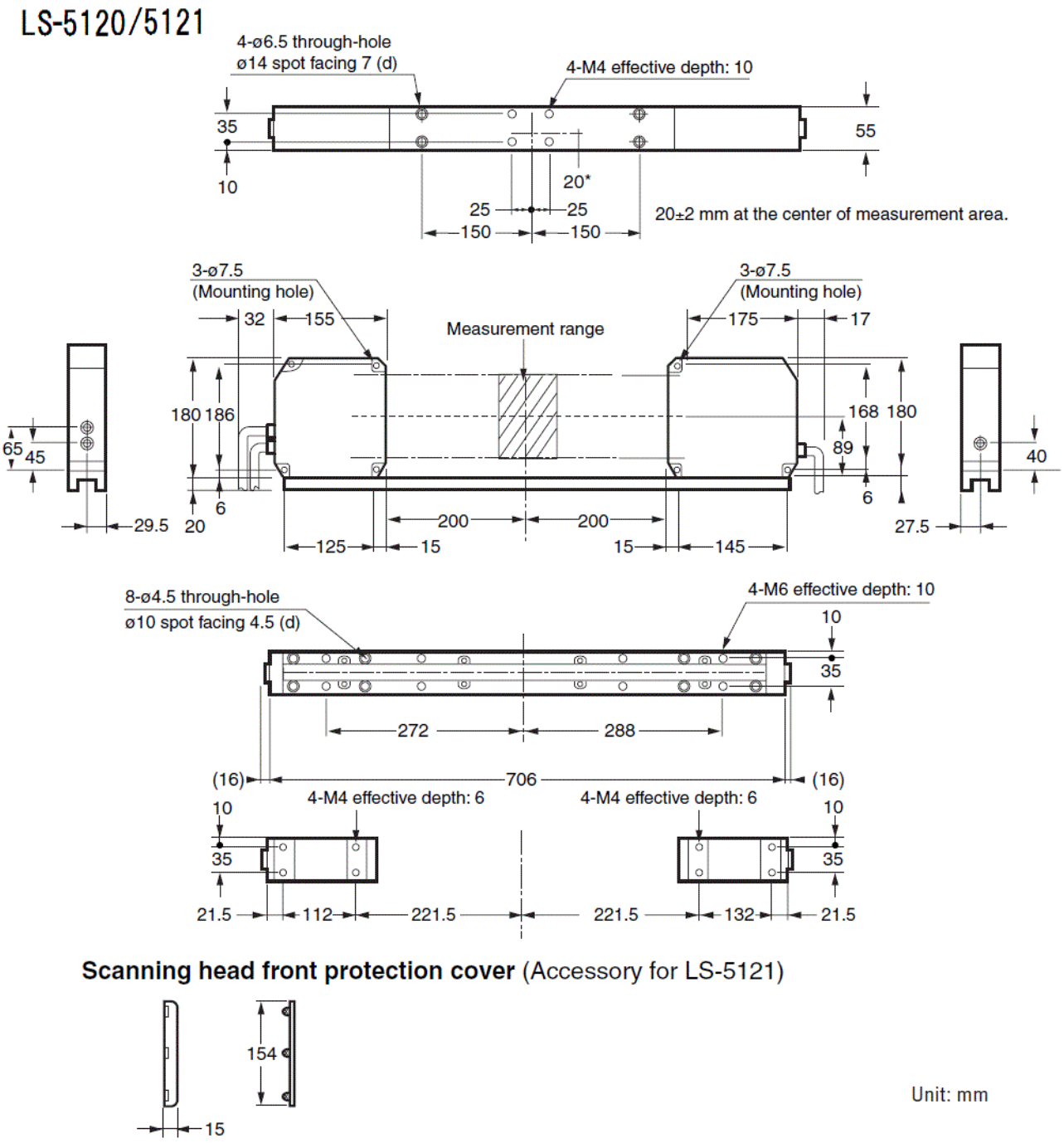
Specifications

Model		LS-5121
Type		Wide range
Applicable controller		LS-5501/LS-5001
Transmitter/receiver distance		400 ±100 mm 15.75" ±3.94", 1,000 mm 39.37" max.*1
Measurement range		0.8 to 120 mm 0.03" to 4.72"
Smallest detectable object		0.8 mm 0.03"
Repeatability		±1 µm max. ±0.000040"*2
Measurement accuracy		±8 µm max. 0.000315"*3
Laser scan rate		1,200 scans/sec
Laser scan velocity		504 m 1653.5'/sec
Laser scan range		Approx. 124 mm 4.88"
Light source		Visible red semiconductor laser Maximum output: 0.6 mW, Pulse duration: 14 µs, Wavelength: 670 nm, FDA: Class II, IEC: Class 2
Environmental resistance	Enclosure rating	IP65
	Ambient temperature	0 to +50 °C 32 to 122 °F
	Relative humidity	35 to 85 % RH (No condensation)
Weight		Approx. 5.5 kg (including base)

*1 The measurable area is within 800 mm 31.5" from the transmitter.
*2 When the average number of measurements is set to 768 in a 40 mm x 80 mm 1.57" x 3.15" measuring area.
*3 When a rod 40 mm 1.57" in dia. is measured in a 40 mm x 80 mm 1.57" x 3.15" measuring area.

Dimensions

* Download CAD file or product manual for larger image/text and more detail.



Scanning head front protection cover (Accessory for LS-5121)

Unit: mm

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