



**SR9160**

Sensor head

## Specification

Model	SR9160		
Reference distance (CD)	160mm		
Measuring range	Z-axis height (FS)	90mm	
	X-axis width	Near-end	84mm
		Reference distance	99mm
		Far-end	120mm
Light source	Light source wavelength	405nm	
	Laser class	2M	
	Laser output power	10mW	
Repeatability	Z axis (height)	1.5um	
	X-axis (width)	4um	
Linear	Z axis (height)	±0.02% of F.S.	
Contour data interval	X-axis (width)	19 μ m	
X-axis contour points	6400		
Scanning speed (Hz)	1500-13000		
Temperature characteristics	0.02% of F.S./°C		
I/O interface	8 programmable input interfaces, 8 programmable output interfaces		
Encoder interface	Single-ended and differential encoder each		
I/O	1 100Base-TX/1000Base-T Ethernet interface		
Operating temperature	0-50°C		
Storage temperature	-20-70°C		
Working humidity	35%-85% without condensation		
ESD protection	Contact discharge 4kV, air discharge 8kV, conforms with IEC61000-4-2		
EFT Protection	Power port 2kV/5 or 100kHz, signal port 1kV/5 or 100kHz, conforms with IEC61000-4-4		
Impact	50Gs/3ms per axis, conforms with IEC 68-2-27 Ea		
Vibration	10Gs (10-500Hz), conforms with IEC 68-2-6 Fc		
IP rating	IP67, conforms with IEC 60529		
Dimensions (mm)	205x 127x70.5		
Data cable (wiring) model	SCB-HCAM-HR2Z-3/6/10m		
Weight	2020g		

## Product Size

