



**SR7300**  
Sensor head

## Specification

Model	SR7300		
Reference distance (CD)	300mm		
Measuring range	Z-axis height (FS)	288mm	
	X-axis width	Near-end	175mm
		Reference distance	290mm
		Far-end	320mm
Light source	Light source wavelength	450nm	
	Laser class	3R	
	Laser output power	50mW	
Repeatability	Z axis (height)	8um	
	X-axis (width)	45um	
Linear	Z axis (height)	±0.05% of FS	
Contour data interval	X-axis (width)	100um	
X-axis contour points	3200		
Scanning speed (Hz)	1000-4000		
Temperature characteristics	0.01% 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	0-45°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)	192x 105x59		
Data cable (wiring) model	SCB-HCAM-HB1-3/6/10m、SCB-HCAM-HR1-3/6/10m		
Weight	1145g		

## Product Size

