



**SR7240**  
Sensor head

## Specification

Model		SR7240	
Reference distance (CD)		240mm	
Measuring range	Z-axis height (FS)	40mm	
	X-axis width	Near-end	138mm
		Reference distance	147mm
		Far-end	157mm
Light source	Light source wavelength	405nm	
	Laser class	2M	
	Laser output power	10mW	
Repeatability	Z axis (height)	1um	
	X-axis (width)	13um	
Linear	Z axis (height)	±0.05% of FS	
Contour data interval	X-axis (width)	50um	
X-axis contour points		3200	
Scanning speed (Hz)		2500-10000	
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)		190x 93x48	
Data cable (wiring) model		SCB-HCAM-HB1-3m, SCB-HCAM-HB1-10m	
Weight		840g	

