



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

Product Size

