



SR7080
Sensor head

Specification

Model			SR7080
Reference distance (CD)			80mm
Measuring range	Z-axis height (FS)		12mm
	X-axis width	Near-end	57.5mm
		Reference distance	60mm
		Far-end	62.8mm
Light source	Light source wavelength		405nm
	Laser class		2M
	Laser output power		10mW
Repeatability	Z axis (height)		0.4um
	X-axis (width)		5um
Linear	Z axis (height)		±0.05% of FS
Contour data interval	X-axis (width)		20um
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 RS232 interface, 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)			144x 93x48
Data cable (wiring) model			SCB-HCAM-HB1-3m, SCB-HCAM-HB1-10m
Weight			730g

Product Size

