



SR8020

Sensor head

Specification

Model			SR8020
Reference distance (CD)			23mm
Measuring range	Z-axis height (FS)		5.2mm
	X-axis width	Near-end	13mm
		Reference distance	14.5mm
		Far-end	16mm
Light source	Light source wavelength		405nm
	Laser class		2M
	Laser output power		10mW
Repeatability	Z axis (height)		0.1um
	X-axis (width)		1.5um
Linear	Z axis (height)		±0.02% of FS
Contour data interval	X-axis (width)		5um
X-axis contour points			3200
Scanning speed (Hz)			3200-67000
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			0-50°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)			125.5x 82x55
Data cable (wiring) model			SCB-HCAM-HB1-3m, SCB-HCAM-HB1-10m
Weight			650g

Product Size

