



SR7900
Sensor head

Specification

Model			SR7900
Reference distance (CD)			900mm
Measuring range	Z-axis height (FS)		500mm
	X-axis width	Near-end	359mm
		Reference distance	489mm
		Far-end	576mm
Light source	Light source wavelength		450nm
	Laser class		3R
	Laser output power		50mW
Repeatability	Z axis (height)		12um
	X-axis (width)		40um
Linear	Z axis (height)		±0.05% of FS
Contour data interval	X-axis (width)		180um
X-axis contour points			3200
Scanning speed (Hz)			1250-4500
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)			270x 98x59
Data cable (wiring) model			SCB-HCAM-HB1-3/6/10m、SCB-HCAM-HR1-3/6/10m
Weight			1300g

Product Size

