

SC-01 Strain Cable Sensor

Strain range $\pm 1500\mu\epsilon$, Temperature range -20°C to $+60^{\circ}\text{C}$

Ordering information					Installation information		
WL configuration	S-line Scan 400	S-line Scan 800	WL type	Nominal WL @ 22,5°C (after production)	Pre-strain for range $\pm 1500\mu\epsilon$ at installation (WL @ $0\mu\epsilon$ @ 22,5°C)	WL @ $-1500\mu\epsilon$ @ -20°C	WL @ $+1500\mu\epsilon$ @ $+60^{\circ}\text{C}$
A		x	Temp.	1 511,9nm	1 511,9nm	1 510,7nm	1 513,0nm
			Strain	1 512,9nm	1 516,9nm	1 514,1nm	1 519,7nm
B		x	Temp.	1 520,9nm	1 520,9nm	1 519,7nm	1 522,0nm
			Strain	1 521,9nm	1 525,9nm	1 523,1nm	1 528,7nm
C	x	x	Temp.	1 529,9nm	1 529,9nm	1 528,7nm	1 531,0nm
			Strain	1 530,9nm	1 534,9nm	1 532,1nm	1 537,7nm
D	x	x	Temp.	1 538,9nm	1 538,9nm	1 537,7nm	1 540,0nm
			Strain	1 539,9nm	1 543,9nm	1 541,1nm	1 546,7nm
E	x	x	Temp.	1 547,9nm	1 547,9nm	1 546,7nm	1 549,0nm
			Strain	1 548,9nm	1 552,9nm	1 550,1nm	1 555,7nm
F	x	x	Temp.	1 556,9nm	1 556,9nm	1 555,7nm	1 558,0nm
			Strain	1 557,9nm	1 561,9nm	1 559,1nm	1 564,7nm
G		x	Temp.	1 565,9nm	1 565,9nm	1 564,7nm	1 567,0nm
			Strain	1 566,9nm	1 570,9nm	1 568,1nm	1 573,7nm
H		x	Temp.	1 574,9nm	1 574,9nm	1 573,7nm	1 576,0nm
			Strain	1 575,9nm	1 579,9nm	1 577,1nm	1 582,7nm

Strain range $\pm 3000\mu\epsilon$, Temperature range -20°C to $+60^{\circ}\text{C}$

Ordering information					Installation information		
WL configuration	S-line Scan 400	S-line Scan 800	WL type	Nominal WL @ 22,5°C (after production)	Pre-strain for range $\pm 3000\mu\epsilon$ at installation (WL @ $0\mu\epsilon$ @ 22,5°C)	WL @ $-3000\mu\epsilon$ @ -20°C	WL @ $+3000\mu\epsilon$ @ $+60^{\circ}\text{C}$
A		x	Temp.	1 511,9nm	1 511,9nm	1 510,7nm	1 513,0nm
			Strain	1 512,9nm	1 518,7nm	1 514,1nm	1 523,3nm
C	x	x	Temp.	1 529,9nm	1 529,9nm	1 528,7nm	1 531,0nm
			Strain	1 530,9nm	1 536,7nm	1 532,1nm	1 541,3nm
E	x	x	Temp.	1 547,9nm	1 547,9nm	1 546,7nm	1 549,0nm
			Strain	1 548,9nm	1 554,7nm	1 550,1nm	1 559,3nm
G		x	Temp.	1 565,9nm	1 565,9nm	1 564,7nm	1 567,0nm
			Strain	1 566,9nm	1 572,7nm	1 568,1nm	1 577,3nm

SC-01 Strain Cable Sensor
Strain range $\pm 5000\mu\epsilon$, Temperature range -20°C to $+60^{\circ}\text{C}$

Ordering information					Installation information		
WL configuration	S-line Scan 400	S-line Scan 800	WL type	Nominal WL @ $22,5^{\circ}\text{C}$ (after production)	Pre-strain for range $\pm 5000\mu\epsilon$ at installation (WL @ $0\mu\epsilon$ @ $22,5^{\circ}\text{C}$)	WL @ $-5000\mu\epsilon$ @ -20°C	WL @ $+5000\mu\epsilon$ @ $+60^{\circ}\text{C}$
A		x	Temp.	1 511,9nm	1 511,9nm	1 510,7nm	1 513,0nm
			Strain	1 512,9nm	1 521,1nm	1 514,1nm	1 528,1nm
C	x	x	Temp.	1 529,9nm	1 529,9nm	1 528,7nm	1 531,0nm
			Strain	1 530,9nm	1 539,1nm	1 532,1nm	1 546,1nm
E	x	x	Temp.	1 547,9nm	1 547,9nm	1 546,7nm	1 549,0nm
			Strain	1 548,9nm	1 557,1nm	1 550,1nm	1 564,1nm
G		x	Temp.	1 565,9nm	1 565,9nm	1 564,7nm	1 567,0nm
			Strain	1 566,9nm	1 575,1nm	1 568,1nm	1 582,1nm

Example of standard stock available WL configurations and their chaining possibilities into one optical channel.

Other WL's on demand (for example: If more than 8 sensors are required per one optical channel)