

System parameter	SP 5000 NG	SP 15000 NG
Measurement range	0 m to ≥ 5 m	≤ 80 m
Resolution	5 pm*	5 pm*
Maximum tilting angle Center of rotation in center of reflector with plane mirror	±12.5° ±430 µrad	±22.5° -
Measuring uncertainty under stable conditions: Length measurement	0.15 µm/m	
Wavelength	632.8 nm	
Frequency stability of HeNe laser (after warm-up time)	2·10 <sup>-8</sup>	
Warm-up time of HeNe laser	10 ... 20 min	
Operating temperature range	15 ... 30°C	
Maximum displacement speed	3 m/s	
<b>Geometric Data</b>		
Dimensions (L x W x H): Sensor head with adjustable mount Reflector Electronic supply and evaluation unit (standard) Electronic supply and evaluation unit (compact)	[133 x 91 x 54] mm Ø 15 mm x 15 mm	max. [227 x 91 x 67] mm Ø 25 mm x 36 mm [450 x 400 x 150] mm [250 x 400 x 150] mm
Mass: Sensor head with adjustable mount Reflector Electronic evaluation and supply unit EU (standard) Electronic evaluation and supply unit EU (compact)	650 g 8 g	max. 850 g 70 g ca. 8 kg ca. 5.7 kg
<b>Electrical Data</b>		
Interfaces Standard other interfaces on request (/R)	RS232C, USB	
Cable length between sensor head and electronics unit	3 m, optionally up to 10 m	
Power supply	100 ... 240 VAC / 47 ... 63 Hz	
Laser safety class according to EN 60825-1:2014 and ANSI Z136.1 (CDRH)	2M II	

\*in frequency domain

04/2024 · Subject to change.