

System parameter	SP 5000 DS
Measuring range	0 m to $\geq 5$ m
Resolution	20 pm*
Angular measuring ranges with reflector with plane mirror (recommended distance $\leq 2$ m)	$\pm 12.5^\circ$ ** $\pm 1.5$ arcmin
Angular resolution (at 0.1 nm length resolution)	0.002 arcsec***
Beam distances (horizontal and vertical)	12 mm
Wavelength	632.8 nm
Frequency stability of the HeNe laser (after warm-up time)	$2 \cdot 10^{-8}$
Warm-up time of the HeNe laser	10...20 min
Operating temperature range	15...30°C
Max. displacement speed of measuring reflector	3 m/s
<b>Geometric Data</b>	
Dimensions (L x W x H): Sensor head with adjustable mount Electronic evaluation and supply unit EU	[199 x 134 x 68] mm [450 x 400 x 150] mm
Mass: Sensor head with adjustable mount Electronic evaluation and supply unit EU	1.6 kg ca. 8 kg
<b>Elektronische Daten</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

\*\*rotary point dependent

\*\*\*least significant bit (LBS)

02/2021 · Subject to change.