

2-Axis Deflection Unit

PSH-10

- Premium 2-Axis Scan Head
- Outstanding Low Drift
- Highest Repeatability
- Fast Writing Speed



TECHNICAL SPECIFICATIONS:

PSH-10

Input Aperture	10 mm
Wavelength	355, 532, 1064, 10600 nm
Tracking error time	≤ 0.11 ms
Writing Speed ^{1 2}	< 950 cps
Positioning Speed ¹	< 16 m/s
Typical Deflection	± 0.418 rad
Resolution	12 μrad
Repeatability (RMS)	< 2 μrad
Max. Gain drift ³	10 μrad/K
Max. Offset drift ³	8 μrad/K

Long-Term Drift (8h) ²	< 90 μrad
Zero Offset	< 5 mrad
Digital Interface	XY2-100 Protocol
Ambient Temperature	+15 to +35 °C
Storage Temperature	-20 to +60 °C
Humidity	≤ 80% Non-condensing
Voltage	±15 V DC
Current	max. 4 A
Weight	Approx. 2.9 kg
Dimensions L x W x H	150 x 99 x 110 mm
Cooling Method	Passive

¹ F-Theta f=163 / field size 120 x 120 mm / 1064 nm

² Single-stroke font / 1mm height

³ Drift per axis