

2-Axis Deflection Unit

PSH-20-H-W

- Premium 2-Axis Scan Head
- Outstanding Low Drift
- Highest Repeatability
- Fast Marking Speed
- Laser Power < 2000 Watt



TECHNICAL SPECIFICATIONS:

PSH-20-H-W

Input Aperture	20 mm
Wavelength	1030-1090, 10600 nm
Tracking error time	≤ 0.28 ms
Marking Speed ¹	< 2 m/s
Positioning Speed ¹	< 9 m/s
Typical Deflection	± 0.418 rad
Resolution	12 μrad
Repeatability (RMS)	< 2 μrad
Max. Gaindrift ²	20 μrad/K
Max. Offsetdrift ²	15 μrad/K

Long-Term Drift (8h) ²	< 80 μrad
Zero Offset	< 5 mrad
Digital Interface	XY2-100 Protocol
Ambient Temperature	+10 to +40 °C
Storage Temperature	-20 to +60 °C
Humidity	≤ 80% Non-condensing
Voltage	±15 V DC
Current	max. 4 A
Weight	Approx. 6.1 kg
Dimensions L x W x H	195 x 134 x 155 mm
Cooling Method	Water

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

² Drift per axis