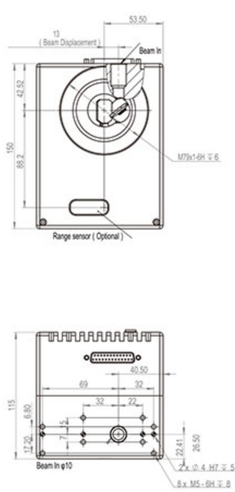
2D PS Series

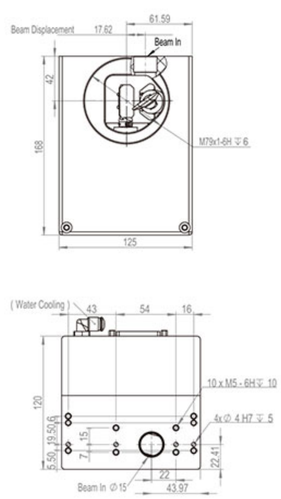
Aperture size：10、15、20mm

PS Series-Advanced Option

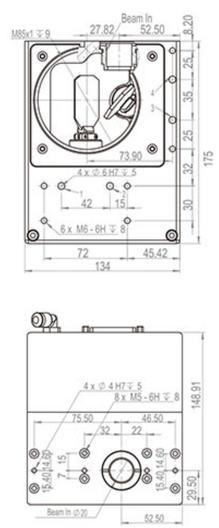
- The optimized drive has further developed marking speed which has deeply improved the speed on fly marking.
- Integrated structure design, high thermal stability, high dust, waterproof grade.
- Aperture size：10、15、20、30mm.



PS10/PSH10



PS15/PSH15



PS20/PSH20

Product line

Type	Version	Weight (KG)	Size (mm)	Input voltage	Output Voltage(VDC)	Current(A)	Protocol
PS10 PSH10	Standard Version Pro.Version	2.2	150x115x115	100V60HZ 220V50HZ	±15	5	XY2-100 Protocol
PS15 PSH15	Standard Version Pro.Version	3.6	168x125x120				
PS20 PSH20	Standard Version Pro.Version	5.5	175x134x148.9				

Optical Specifications

Type	Aperture size (mm)	Available Wavelength	Optical Material	Optical Surface
PS10 PSH10	10	355 532 980 / 1064 9400 / 10640	1/4λ@633 Partly 1/8λ@633	Si / QU
PS15 PSH15	15	355 532 980 / 1064 10640	1/4λ@633	Si / SiC /QU
PS20 PSH20	20	355 532 980 / 1064 9400 / 10640	1/4λ@633	Si / SiC /QU

Galvanometer Specifications

Type	PS10 (Standard Version)	PSH10 (Pro.Version)	PS15 (Standard Version)	PSH15 (Pro.Version)	PS20 (Standard Version)	PSH20 (Pro.Version)
Scan Angle(°)	±11		±10		±10	
Repeatability(μrad)	8		8	5	8	5
Max.Gain Drift(ppm/k)	100		50		50	
Max.Offset Drift(μrad/k)	30		30		15	
Long-term drift over 8h(mrad)	≤0.15	≤0.1	≤0.1		≤0.1	
Tracking Error(μs)	<90		<150		<200	
Step Response Time 1% of Full Scale[1](μs)	<230		<410		<580	
Typical Marking Speed[2](m/s)	7		5		4	
Typical Positioning Speed[2](m/s)	20		15		14	
Typical Character Marking[3] (cps)	800CPS Good Quality 1000CPS Good Writing		600CPS Good Quality 700CPS Good Writing	650CPS Good Quality 750CPS Good Writing	500CPS Good Quality 600CPS Good Writing	

1)1% step response 2)2D scanhead use F160 F-θ lens 3) F160 F-θ lens,1mm height single line character, LenMark software& FEELTEK control card