



S10



PS10/PSH10



Pilot 10

S10 Entry Option

- The new generation of 2D scanhead with compact design and good performance. It is an entry level for laser marking.

PS10 Advanced Option

- The optimized drive has further developed marking speed which has deeply improved the speed on fly marking.

Pilot10 Best Cost Effective Option

- The Pilot 10 is specific applicated with high speed and high precision, this is the best cost effective scanhead.

PSH10 High end application Option

- The excellent performance satisfy challenging work environmental.

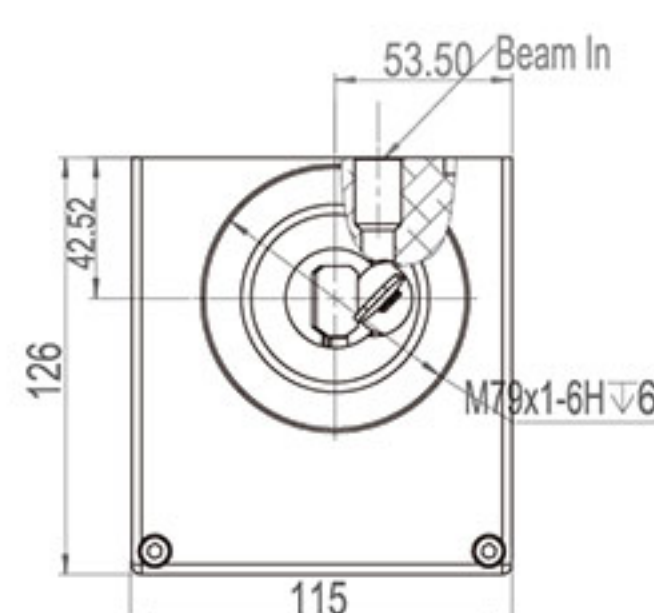
PRODUCT TECHNICAL DATA

Technical Info.		Specifications					
Optical Specifications	Input beam diameter(mm)	10					
	Available Wavelength(nm)	355	532	980	1064	9400	10640
Optical Paramater	Optical Surface	1/4λ@633 / Partly 1/8λ@63					
	Optical Material	Si / SiC					
Galvanometer Specifications	Version	S10	PS10	Pilot10	PSH10		
	Weight (KG)	2.1	2.2	1.3	2.2		
	Size(mm)	126x115x115	150x115x115	130x89x103.4	150x115x115		
	Scan Angle(°)	±11	±10	±10	±10		
	Repeatability(μrad)	8	8	5	8		
	Max.Gain Drift(ppm/k)	100	100	50	100		
	Max.Offset Drift(μrad/k)	30	30	15	30		
	Long-term drift over 8h(mrad)	≤0.3	≤0.15	≤0.1	≤0.1		
	Tracking Error(μs)	<130	<90	<130	<90		
	Step Response Time 1% of Full Scale ¹ (μs)	<260	<230	<260	<230		
	Typical Marking Speed ² (m/s)	3	7	5.5	7		
	Typical Positioning Speed ² (m/s)	10	20	16	20		
	Typical Character Marking ³ (cps)	600CPS Good Quality 800CPS Good Writing	700CPS Good Quality 900CPS Good Writing	700CPS Good Quality 900CPS Good Writing	800CPS Good Quality 1000CPS Good Writing		

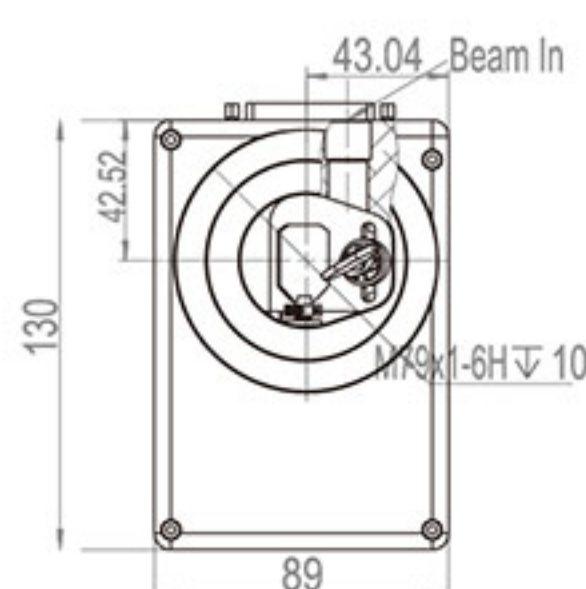
1)1% step response

2)2D scanhead use F160 F-θ lens

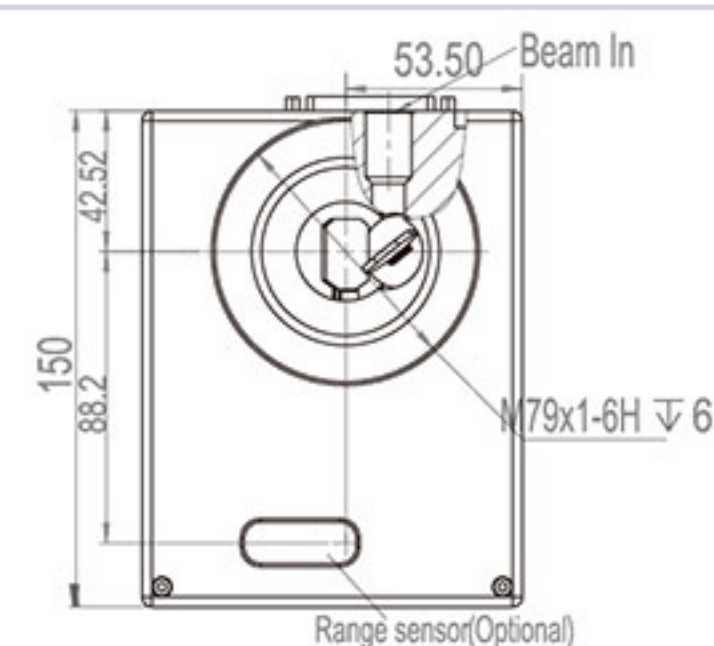
3) F160 F-θ lens,1mm height single line character, LenMark software& FEELTEK control card



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