

Sensor head MAM option - Specification Sheet

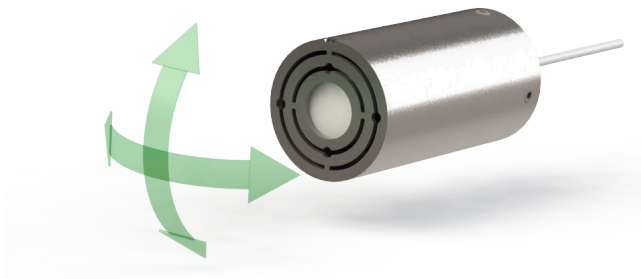


Table 1. Summary of specifications of the MAM option.

Property	Value
Outer diameter	12.7 mm (1/2")
Material	Titanium
Alignment range (tip/tilt)	$>\pm 4^\circ$
Alignment resolution	0.5° per revolution
Stability	50 $\mu\text{rad}/^\circ\text{C}$
Conditions	Ambient, HV
Supported sensor head types	PS-SH-C03
	PS-SH-F01
	PS-SH-L01

1. INTRODUCTION

The MAM (manual alignment mount) option allows easy integration of a sensor head into an existing setup. The housing can simply be clamped in an appropriate bore hole, for example. Fine adjustment screws are used to manually align the sensor head to the target.

2. STABILITY

The stability of the sensor heads has been verified by aligning a PS-SH-L01 line focusing sensor head to a fixed mirror and repeatedly cycling the environmental temperature by more than $\pm 3\text{ K}$. By comparing the signal decrease with the total angular tolerance of the sensor head in its non-focused axis yields a stability of $50\ \mu\text{rad}/^\circ\text{C}$.

3. ORDER CODE

Simply add the "-MAM" label to the sensor head order codes!

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