

# ZMI Compact 3 Axis HSPMI

P/N	DESCRIPTION
6191-0624-01	3-Axis Compact HSPMI, straight-through
PHYSICAL CHARACTERISTICS	
Dimensions	See Figure
Weight	619 grams (21.8 oz)
Materials	Housing- magnetic stainless steel Optics- BK7, crystalline quartz, and Zerodur Adhesives- vacuum grade, low volatility
COMPONENTS	

Included	Polarization Beamsplitter, Retroreflector Assembly, Quarter Waveplate, Quarter Waveplate Plane Mirror Assembly, Rhomboid Assembly, Fiber Optic Assembly
Not Included	Target Plane Mirror

Note: This interferometer does not perform optical differencing.

OPTICAL		
Measure	Beams	Resolution
Linear	A, B, or C	0.31 nm (ZMI 2000)
		0.15 nm (ZMI 4000)
Pitch	C:A+B/2	0.0088 arc sec (ZMI 2000)
		0.0044 arc sec (ZMI 4000)
Yaw	A:B	0.0044 arc sec (ZMI 2000)
		0.0022 arc sec (ZMI 4000)
Incoming beam diameter	3 mm	
Measurement beam spacing (center-to-center):	7.19 mm [linear, pitch, and yaw (beams C:B or C:A)] 14.38 mm (yaw, beams A:B)	
Signal Efficiency	> 18% per axis with a plane mirror having 99% reflectance at 633 nm at normal incidence	

