

ZMI 501A Enclosure

P/N	DESCRIPTION
8020-0237-05	ZMI 501A, 2 Channels
PHYSICAL CHARACTERISTICS	
Dimensions	See Figure
Weight	2 lb (1 Kg)
Cable Clearance	5 in. (127 mm), both ends
ELECTRICAL	
Power Requirements (nominal)	+5.2 VDC -0.0/+0.4 @ 3.3 A
ENVIRONMENTAL	
Operating Temperature	0 to 40°C
Operating Humidity	0 to 85%, noncondensing

MEASUREMENT BOARD	
Number of Axes per Board	2
Minimum Optical Input Power	$\geq 8 \mu\text{W}$
Linearity Accuracy	$\leq 1.3 \text{ LSB } 3\sigma$

SERIAL (QUADRATURE) DATA SPECIFICATIONS ⁽¹⁾	
Position Resolution, maximum	$\lambda/512$ (1.24 nm)
Position Range, maximum	$\pm 10.6 \text{ m}$
Maximum Target Mirror Velocity	475 mm/sec
Data Rate	Selectable from 3 to 24 MHz

PARALLEL DATA SPECIFICATIONS ⁽¹⁾	
Position Resolution, constant	$\lambda/512$ (1.24 nm)
Position Range, constant	$\pm 10.6 \text{ m}$
Maximum Target Mirror Velocity	475 mm/sec

(1) Based on double pass interferometer.

