



Helm Instrument Company, Inc.
361 West Dussel Drive
Maumee, Ohio 43537 USA
419/ 893-4356
Fax: 419/ 893-1371
www.helminstrument.com

HM-1756-SGI-PLM Specifications

Electrical Specifications:	Backplane Power Consumption	24V @82mA 5V @ 48mA 2 (isolated)
	Number of Channels	
	I/O Chassis Location	Any I/O module slot except 0
	A/D Conversion Method	Successive Approximation - 12 bit
	Normal Mode Rejection (between + input and - input)	50 db at 2000 gain
	AMP roll-off frequency	650 Hz at 3000 Gain
	Calibration	Manual Calibration
	Isolation	500 VDC continuous between inputs and chassis ground, and between inputs and backplane
Physical Specifications:	LED Indicators	STATUS, ALARM, OK
	Recommended Cable	Strain Gage Cable (Helm part number 6117)
Environmental Specifications:	Operating Temperature	0°C to 60°C (32°F to 140°F)
	Hazardous Environment Classification	Class 1 Division 2 Hazardous Environment
Input Specifications:	Type of Input	Strain Gage (350 ohm, 700 ohm)
	Input Impedance	1K
	Display Resolution	Up to 0.1% of full scale
	Overall Module Accuracy	1% of full scale
	Requested Packet Interval (RPI)	60.0ms