

W-M1B109 / W-M1B110

8 / 16 Channels Current Input Module



Main Features

- Current Input $\pm 20\text{mA}$, 4~20mA, 0~20mA
- Input Impedance Current: 120 Ω
- Sampling Rates 2.5 Samples / Second per Channel
- Communication Protocol: Modbus RTU



Introduction

W-M1B109 / W-M1B110, 8 and 16 channels current analog input modules offering the flexibility and variety for the different kinds of industrial automation applications. It's capable of connecting to sensors and equipment used on site and make users a good experience due to the friendly configuration.

Specification

Model Name	W-M1B109 (8 Channels)	W-M1B110 (16 Channels)
Analog Input		
Input Type	Current	
Current Range	$\pm 20\text{ mA}$, 4-20 mA, 0-20 mA	
Burn-out Detection	4-20 mA	
Sampling Rates	2.5 Samples / Second per channel	
Resolution	16-bit	
Accuracy	$\pm 0.1\%$ FSR	
Input Impedance	Current: 120 Ω	
Span Drift	$\pm 25\text{ ppm}/^\circ\text{C}$	
Zero Drift	$\pm 6\text{ }\mu\text{V}/^\circ\text{C}$	
Input Voltage Protection	$\pm 36\text{ V}$	
Channel Independent Configuration	Yes	
General		
Interface	RS-485	
Communication Protocol	Modbus RTU	
Communication Speed	From 1200-115.2k bps	
Communication Distance	1.2 km at 9.6 kbps	
Power Consumption	1.6W @ 24 VDC	2.8W @ 24 VDC
Power Requirement	10 – 60 VDC	
Watchdog Timer	System (1.6 Second Fixed)	
LED Indicators	PWR, Comm, Program, Status	
Intra-Module Isolation,	2500 VDC	
Field-to-Logic		
Environmental		
Temperature: -25 to +70 $^\circ\text{C}$ (Operating) -30 to +75 $^\circ\text{C}$ (Storage)		
Humidity: Operating Relative Humidity: 10% to 90% (non-condensing)		
Dimension		
Weight: 65g (Average)		
Dimension: 472mm x 121mm x 120mm		
Ordering Information		
W-M1B109 8 channels current input module		
W-M1B110 16 channels current input module		