



# W-M1B109/110

## 8 / 16 Channels Current Input Module



### Features

- Current Input  $\pm 20\text{mA}$ , 4~20mA, 0~20mA
- Input Impedance Current: 120  $\Omega$
- 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.

#### 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 $\Omega$
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
Power Consumption	1.6W @ 24 VDC (W-M1B109) 2.8W @ 24 VDC (W-M1B110)
Power Requirement	10 ~ 60 VDC
Watchdog Timer	System (1.6 Second Fixed)
Intra-Module Isolation, Field-to-Logic	2500 VDC

#### Communication

Protocol:	Modbus RTU
Speed	From 1200-115.2k bps
Distance	1.2 km at 9.6 kbps

#### Environmental

Operating Temp.	-25 ~ 70 $^\circ\text{C}$
Storage Temp.	-30 ~ 75 $^\circ\text{C}$
Operating Relative Humidity	10% to 90% (non-condensing)

#### Dimension

LED Indicators	PWR, Comm, Program, Status
Weight	65g (Average)
Dimensions	472 x 121 x 120mm

#### Ordering Information

W-M1B109	8 channels current input module
W-M1B110	16 channels current input module

