



W-M1B111/112

8 / 16 Channels Voltage Input Module



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-M1B111 / W-M1B112, 8 and 16 channels voltage analog input modules with the excellent performance benefits to industrial automation applications. Continuously the rugged features of Wolf I/O series, it's reliable enough to stand on site where the harsh environments.

Analog Input

Input Type	Voltage
Voltage Range	$\pm 1\text{ V}$, $\pm 5\text{ V}$, $\pm 10\text{ V}$, 0-1 V, 0-5 V, 0-10
Burn-out Detection	4-20 mA
Sampling Rates	2.5 Samples / Second per channel
Resolution	16-bit
Accuracy	$\pm 0.1\%$ FSR
Input Impedance	Voltage: 2 M 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
Power Consumption	1.6W @ 24 VDC (W-M1B111) 2.8W @ 24 VDC (W-M1B112)
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-M1B111	8 channels voltage input module
W-M1B112	16 channels voltage input module

