



M-7016



M-7016D

# M-7016/M-7016D

## 2-channel Strain Gauge Input Module

### Analog Input

Input Channels	2
Input Type	+/-15mV, +/-50mV, +/-100mV, +/- 500mV , +/-1V, +/- 2.5V, +/- 20mA
Resolution	16-bit
Sampling Rate	10 Samples/ Second (one-channel mode) 2 Samples/ Second (two-channel mode)
Accuracy	+/-0.05% FSR
Band Width	5.24Hz
Zero Drift	+/-0.5uV/ °C
Span Drift	25ppm/°C
Common Mode Rejection	150dB
Normal Mode Rejection	100dB
Overvoltage Protection	10V (P-P)
Input Impedance	20M Ohms
Intra-module Isolation, Field to Logic	3000 VDC

### Excitation Voltage Output

Output Channels	1
Output Range	0 to +10V
Max Output Load	40mA
Accuracy	+/-0.05% of FSR
Drift	+/-50ppm/ °C
Output Impedance	12 Ohms
Isolation	3000 VDC

### Digital Input

Channels	1
Logic Level 0	+ 1V max
Logic Level 1	+ 3.5V to 30V
Max Input Frequency	50Hz
Min. Pulse Width	1 mS

### Digital Output

Channels	4
Output Type	Sink, Open collector to 30V
Output Load	30mA max per channel
Power dissipation	300 mW

### Interface

Interface	RS-485
Format	N, 8, 1
Buad Rate	1200 ~ 115200 bps

### LED Display

1 LED as Power/ Communication indicator
4 1/2 digits (for M-7016D)

### Power

Input Voltage Range	+10 to +30Vdc
Power Consumption	2.4W (M-7016) / 3.0W (M-7016D)

### Protocol

Support Modbus and DCON Protocol	Yes
----------------------------------	-----

### Environment

Operating temperature	-25 to 75°C
Storage temperature	-40 to 85°C
Humidity	5 to 95%, non-condensing