



Features

- 8 Analog Input Channels, 2 Digital Output Channels
- 16 bit resolution
- Modbus/TCP protocol

Specifications

Analog Input										
Channels	8 differential									
Input Type	mV, V, mA									
Input Ranges	<table border="0"> <tr> <td>± 150 mV</td> <td>± 500 mV</td> <td>± 1 V</td> </tr> <tr> <td>± 5 V</td> <td>± 10 V</td> <td></td> </tr> <tr> <td>0~20 mA</td> <td>4~20 mA</td> <td></td> </tr> </table>	± 150 mV	± 500 mV	± 1 V	± 5 V	± 10 V		0~20 mA	4~20 mA	
± 150 mV	± 500 mV	± 1 V								
± 5 V	± 10 V									
0~20 mA	4~20 mA									
Input Impedance	> 10 M Ω (voltage) 120 Ω (current)									
CMR@ 50/60 Hz	90 dB									
NMR@ 50/60 Hz	60dB									
Resolution	16-bit									
Accuracy	$\pm 0.1\%$ or better									
Isolation Protection	2000 VDC									
Sampling Rate	10 samples/sec									
Span Drift	± 25 ppm/ $^{\circ}$ C									
Zero Drift	± 6 μ V/ $^{\circ}$ C									
Bandwidth	13.1 Hz@ 50 15.75 Hz @ 60									

General	
Certifications	UL, UL(C), CE, FCC rated, ROHS compliant
Connectors	(1) RJ-45 (LAN) Plug-in screw terminal block (I/O & Power)
Dimensions	60 x 110 x 27 mm (WxHxD)
Enclosure	ABS + PC
LAN	10/100 Base-T
LED Indicators	Power and Communication
Mounting	DIN 35 rail, stack, wall
Power Consumption	2 W @ 24 VDC
Power Input	Unregulated 10 ~ 30 VDC
Relative Humidity (non-condensing)	Operating: 20 ~ 95% Storage: 0 ~ 95%
Temperature	Operating: -10 ~ 70 $^{\circ}$ C Storage: -20 ~ 80 $^{\circ}$ C
Construction Material	Impact resistant ABS plastic

Digital Output	
Channels	2
Type	Open Collector to 30 V 100 mA max. load
Power Dissipation	300 mW for each module

Protection	
Watchdog Timer	System (1.6 second) and Communication (programmable)
Power Protection	Withstands overvoltage up to ± 35
Isolation Protection	2,000 VDC

