



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	± 150 mV ± 5 V 0~20 mA	± 500 mV ± 10 V 4~20 mA	± 1 V
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

