



Features

- Support Analog Devices to Modbus RTU
- Support 4 Analog Inputs
- 3 Models to cover various applications
AI-140-16 : 4~20mA x2 + 0~10V x2 channels
AI-140-16A : 4~20mA x4 channels
AI-140-16V : 0~10V x 4 channels

System

- CPU : 8-bit CPU
- RAM : 64K bytes SRAM
- ROM : 256K bytes Flash ROM
- Watchdog : Built in H/W Watchdog timer

Serial Ports

- Port : RS-485 * 1 Port (Terminal Block)
- Speed : 300 bps ~ 115.2 Kbps
- Parity : None
- Data Bit : 8
- Stop Bit : 1
- RS-485 : Data+ , Data-
- Built-in : RS-485 pull high / low Terminal Resistor
- Protection : RS-485 Surge Protection
- Built in 15KV ESD protection for all signals

Analog Input

- **16 bits resolution**
- Input numbers : 4 channels.
- Input Impedance:
Voltage: 1.33M Ohm
Current: 120 Ohm
- Channels: to be assigned on order.
4~20mA x2 + 0~10V x2
or 4~20mA x4 Channels
or 0~10V x 4 Channels
- Accuracy: mA +/-0.5%, V +/- 1%.

Power

- DC 9 ~ 24V, 200mA @ 12VDC
- Power Input support DC Jack & Terminal Block

LED

- AI_0, AI_1, AI_2, AI_3 (4 channels)

Warranty

- Warranty period : 1 year.

Software features

- Modbus: Convert Analog signal to Modbus protocol
Support Modbus RTU Slave
- OS Supported : Win 2000/2003/XP/Vista/Win 7/8/10
- Configuration : Window Utility, Web Browser

Mechanical and Environment

- Temperature :
Operating: -0°C ~ 70°C (32°F ~ 158°F)
Storage: -10°C ~ 85°C (14°F ~ 185°F)
- Humidity :
Operating: 10% ~ 95% non-condensing
Storage: 5% ~ 95% non-condensing
- Dimension: 110 * 90 * 26 mm (W * D * H)
- Weight : 95 gm

Regulatory Approval

- CE/FCC
- RoHS Compliance

Applications

