EDAM-8015

6 Isolated RTD Input Module

Features

- Support PT100, PT1000, Balco 500, NI604, NI1000 RTD Types
- Protocol MODBUS RTU, ASCII Command
- Support Isolated Input Channels
- Fully Photo-Isolation 3750Vrms
- Wide Supply Voltages (10~30V)
- Built-in TVS/ESD Protection
- Burn-Out Auto Detection

Specifications

Interface:

Communication	RS485
Protocol	MODBUS RTU and ASCII Command
Baute Rate (bps)	1200, 2400, 4800, 9600, 19.2K, 38.4K, 115.2K
LED Indication	LED for Power and link status
Isolation Voltage	3000VDC

Analog Input:

Effective Resolution	16-bit
Input Channels	6 channel RTD input (2-wires,3-wires, 4-wires)
Input Type	PT100, PT10000, Balco 500, NI RTD
Input Range	PT100,PT1000, Balco 500, NI604, NI1000
Isolation Voltage	2000V
Sampling Rate	12 Samples / Second
Input Impedance	20M ohm
Accuracy	±0.05% or better
Zero Drift	±0.5uV/ °C
Span Drift	±20uV/ °C
CMRR	50/60 Hz: 92 dB
Burn-Out	Wire burn-out auto detection
Over Voltage Protection	±60V

Power Requirement :

Consumption	0.8 W/Typical
Power Input	+10 ~ +30 VDC
Humidity	5 ~ 95% RH, non-condensing

Block Diagram