

SC AIS 5580 8-channel Analog Input Module

Sensors are used to continuously monitor and control various process parameters. These measurements help improving processes for adhering to product specifications & improve product quality. Monitoring and controlling temperature, pressure, level, flow etc are common occurrences for any process. IO Converters convert the Analog & Digital data from Sensors to Modbus to be taken to SCADA for further processing

Specifications



Analog Input

Input Channels : 8 differential or 6 differential and 2 single-ended
 Input Type : +/-150mV, +/-500mV, +/-1V, +/-5V, +/-10V, +/- 4 to 20mA (requires optional external 125 ohm resistor)

Resolution	: 16-bit
Sampling Rate	: 10 Samples / Second
Accuracy	: +/-0.8%
Band Width	: 15.7Hz
Zero drift	: +/-20uV~XC
Span drift	: +/-25ppm/~XC
Input Impedance	: 20M Ohms
Common Mode Rejection	: 86dB min
Normal Mode Rejection	: 100dB
Over voltage Protection	: +/-35V(P-P)
Opto Isolation	: 3750 Vrms
Intra-module isolation, Field to Logic	: 2500VDC

Interface

Interface : RS485
 Format : N, 8, 1
 Baud Rate : 1200 to 115200bps
 Protocol : Modbus RTU

LED Display

1 LED as Power/Communication indicator

Power

Input : +12 to +30VDC
 Power Consumption : 1.3W

Environment

Operating temperature : -25 to 75°C
 Storage temperature : -30 to 75°C
 Humidity : 5 to 95%, non-condensing

Physical

Dimensions : 120 * 80 * 25mm
 Mounting : Panel / DIN Rail

Ordering information

SC AIS 5580 : 8-channel Analog Input Module