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SAN TELEQUIP

Connecting. Converting. Leading !

SC AI S40 : Analog Inputs to Modbus RTU Converter

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

Specification

Hardware

CPU : 8 bits CPU
RAM : 64KB Internal SRAM
ROM : 256K bytes Flash ROM
Watchdog : Built in H/W Watchdog timer
Modbus RTU Slave

Analog Input

Resolution	: 16 bits
Input number	: 4
Current	: 4 to 20 mA
Voltage	: 0 to 10 V
Input Impedance	: Voltage: 1.33M Ohm, Current: 120 Ohm

Serial Interface

Port number	: 1
Port Type	: RS-485 x 1 Port
Connector	: 2-pin Terminal Block
Speed	: 300 bps to 115.2 Kbps
Parity	: None, Odd, Even, Mark, Space
Data Bit	: 5, 6, 7, 8
Stop Bit	: 1, 2
RS-485	: Data+, Data-
Terminal Resistor	: Built–in RS-485 pull high / low
Protection	: 485 Surge & Over Current and built in 15KV ESD protection

Power

Dual Inputs Redundant
Input 1 : DC 9 to 24V, 500mA@ 12VDC, External Adapter
Input 2 : Terminal Block

LED **:** PWR, Pair, Rx, Tx

Software features

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

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Environment

Temperature	: Operating	: -10°C to 65°C.
	: Storage	: -20°C to 70°C
Humidity	: Operating	: 10% to 95% non-condensing
	: Storage	: 5% to 95% non-condensing

Physical

Dimension	: 90 * 60 * 20 mm (W * D * H)
Weight	: 140 gms
Mounting	: Panel, Optionally with DIN accessories

Model Selection : SC AIS 40X

SCAIS	: Base Model for Analog Inputs to Modbus Converter
4	: 4 Analog Inputs
0	: 2 * 4 to 20mA + 2 * 0 to 10V Inputs
0A	: 4 * 4 to 20mA Inputs
0V	: 4 * 0 to 10V Inputs

Application