SCT-40

Signal Conditioning Transmitter

Approvals

Standard Features

- LCD display
- Supports up to eight independent reading channels for load cells
- Displays weight, configuration, calibration and error conditions
- DIN rail mounting
- Theoretical calibration, real-weight calibration and linear calibration
- Push -button or preset tare
- Converts digital weight to analog output or optional DeviceNet™, Profibus™, EtherNet/IP™, PROFINET and Modbus TCP protocols
- Supports ASCII or MODBUS RTU protocols
- Bit swapping selection for little endian and endian format
- Three digital inputs, five digital outputs
- One serial port, RS-485 half duplex or RS-232 transmit-only connection
- SCT-40AN only
- Full scale analog output with zero setting and PLC correction of analog signal

Part Number/Price

Part #	Description	Est. Weight	Price
170470	SCT-40 with Analog Output	1 lb	Consult
170471	SCT-40 with DeviceNet	1 lb	Consult
170472	SCT-40 with Profibus	1 lb	Consult
170473	SCT-40 with EtherNet/IP	1 lb	Consult
170474	SCT-40 with Ethernet TCP/IP	1 lb	Consult
170475	SCT-40 with Modbus TCP	1 lb	Consult
170476	SCT-40 with Profinet I/O	1 lb	Consult
131128	Installation manual	1 lb	Consult

EtherNet/IP and Modbus output changed to Dual Port in 2019

Options/Accessories

Part #	Description	Est. Weight	Price
88792	12VDC 1.2A DIN rail mount power supply	1 lb	Consult
119244	24VDC 1.3A DIN rail mount power supply.	1 lb	Consult

Specifications

Power:
Input: 12 to 24 VDC

Power Consumption:
5W

Excitation Voltage:
5 VDC, 240 mA, 16 x 350 ohm load cells

Analog Signal Input Range:
+/-39 mV

Analog Signal Sensitivity:
0.3 µV/graduation minimum
1.0 µV/graduation recommended

A/D Sample Rate:
600 Hz

Resolution:
Internal: 16,000,000 counts
Display: 999,999

System linearity:
± 0.01% full scale

Digital I/O:
3 inputs 5 to 24 VDC, 5 outputs, 115 VAC/150 mA

Communication Ports
RS-232 transmit only, or RS-485 half duplex
Supports up to 115,200 bps

Analog Output (SCT-40AN only):
Opto isolated, 16 bit
0-20 mA, 4-20 mA (max 300 ohm)
0-10 VDC, 0-5 VDC (min 10,000 ohm)

Display:
Backlit graphic LCD, transmissive
128 × 64 pixel resolution, 60 x 32 mm visible area

Keys/Buttons:
Five-key tactile keypad
Test, Zero, Tare, Print Menu, Escape, Left and Up, Navigator, Enter

Dimensions:
(L × W × H)
5.82 × 3.62 × 2.36 in
(148 × 92 × 60 mm)

Temperature & Humidity:
Operating: -4 °F to 140 °F (-20 °C to 60 °C)
Humidity: 85% non-condensing

Rating/Material:
DIN rail mount: NEMA Type 1

Weight:
1 lb (0.5 kg)

Warranty:
One-year limited

Approvals:
cULus Recognized