

SCT-1100 and SCT-2200

Signal Conditioning Transmitter/Indicator

APPROVALS



SCT1100-AN with Analog Output

APPROVALS



SCT2200 with EtherNet/IP Fieldbus Module

	SCT-1100 Specifications	SCT-2200 Specifications
Power	12/24 VDC, Power Consumption: 70 mA min – 100 mA max	12/24 VDC, Power Consumption: 70 mA min – 100 mA max
Excitation Voltage	5VDC, 120 mA, 8 x 350 Ω	5 VDC, 120 mA, 8 x 350 Ω
Analog Signal Input Range	± 39 mV	± 39 mV
Analog Signal Sensitivity	0.03 µV/graduation minimum 0.3 µV/graduation recommended	0.03 µV/graduation minimum 0.3 µV/graduation recommended
A/D Sample Rate	Four channel A/D 24-bit sigma-delta conversion, up to 200 conv. /sec. auto select	One channel A/D 24-bit sigma-delta conversion, up to 200 conv. /sec. auto select
Resolution	Internal resolution: 1.5 million counts Weight display resolution: 800,000	Internal resolution: 1.5 million counts Weight display resolution: 800,000
Digital Inputs/Outputs	Two inputs: 12/24 VDC Two outputs: 150 mA 48 VAC/ 150 mA 60 VDC	Two inputs: 12/24 VDC Two outputs: 150 mA 48 VAC/ 150 mA 60 VDC
Serial Port	(1) RS-485, (1) RS-232	(1) RS-485, (1) RS-232
Analog Output (if equipped)	Opt isolated, 16-bit 0-20mA, 4-20mA (Maximum 350 ohm) 0-5VDC, 0-10VDC (Minimum 10,000 ohm)	Opt isolated, 16-bit 0-20mA, 4-20mA (Maximum 350 ohm) 0-5VDC, 0-10VDC (Minimum 10,000 ohm)
Display	Six-digit 0.51 in (13 mm), red LED Annunciators: Net, center of zero, stability	Six-digit 0.31 in (8 mm), red LED Annunciators: Net, center of zero, stability
Keyboard	Five key, membrane panel, tactile feel Zero (Down), Tare (Up), Mode (Right), Print (Enter), C (On/Off)	Five key, tactile feel Zero (Down), Tare (Up), Mode (Right), Print (Enter), C (On/Off)
Temperature & Humidity	Working Temperature: -15° C to 40° C (5° F to 104° F) Humidity: 85% non-condensing	Working Temperature: -10° C to 50° C (14° F to 122° F) Humidity: 85% non-condensing
Dimensions (W x H x D)	4.17 in x 3.54 in x 2.28 in (106 mm x 90 mm x 58 mm)	0.98 in x 4.52 in x 4.72 in (25 mm x 115 mm x 120 mm)
Weight	1 lb (0.5 kg)	1 lb (0.5 kg)
Rating/Material	NEMA Type 1 plastic pluggable connectors	NEMA Type 1 plastic pluggable connectors
Warranty	One-year limited warranty	One-year limited warranty

Standard Features

- Up to four independent scales or four load cell inputs
- Quick menu for real and theoretical calibration
- Red LED display (13mm) and six LEDs show active functions
- Standard DIN rail-mounting with power supply and enclosures
- Configurable calibration and setup parameters from keyboard
- Up to three calibration linearization points or three from the keyboard
- Reading of the net, gross and tare weights, clearing, semi-automatic and presettable tare, scale switch, setting of outputs application thresholds
- Diagnostic information via serial port, message display, printing, setting of APW in counting mode, simulation of key pressure

Standard Features

- HUB Mode connects up to 16 transmitters to one fieldbus
- Quick menu for real and theoretical calibration
- Red LED display with six-digits (8 mm) and six LEDs show active functions
- Standard DIN rail mounting with power supply and enclosures
- Configurable calibration and setup parameters from keyboard
- Up to three calibration linearization points or three from the keyboard
- Reading of the net, gross and tare weights, clearing, semi-automatic and presettable tare, scale switch, setting of outputs application thresholds
- Diagnostic information via serial port, message display, printing, setting of APW in counting mode, simulation of key pressure, Modbus RTU
- Double RS-485 port for a quick network connection
- Printer management on second serial port available
- Multi-range function allows for subdividing the scale capacity in two, each up to 3,000 divisions

SCT-3300

Signal Conditioning Transmitter/Indicator



SCT-3300 Specifications	
Power	Input: 20-28 VDC Power consumption: 8W
Excitation Voltage	10VDC, 170 mA, 6 x 350 Ω
Analog Signal Input Range	3.5 to 24 mV
Analog Signal Sensitivity	0.1 μ V/graduation minimum 1.0 μ V/graduation recommended
A/D Sample Rate	300 Hz
Resolution	System linearity: \pm 0.01% full scale
Analog Output (if equipped)	Optoisolated 0-20 mA, 4-20 mA (max 300 ohm) 0-10 VDC (min 10,000 ohm)
Temperature & Humidity	Working temperature: 14° F to 122° F (-10° C to 50° C) Humidity: 85% non-condensing
Dimensions (W x H x D)	4.56 in x 3.72 in x 2.4 in (114 mm x 93 mm x 60 mm)
Weight	0.5 lb (0.2 kg)
Rating/Material	DIN rail mount: NEMA Type 1
Warranty	One-year limited warranty

Standard Features

- Powers up to six (350 ohm) load cells in parallel (with a 24-bit A/D converter)
- A/D converter 24-bit (16,000,000 points)
- 12-bit analog output: 0-20 mA, 4-20 mA, 0-10 V
- Mounting on Omega/DIN rail for back panel or junction box
- IP67-rated enclosed versions

SCT-1100, SCT-2200 and SCT-3300 Advanced Series

Signal Conditioning Transmitter/Indicator

SCT-1100

Part Number/Price

Part #	Description	Est. Weight	Price
182588	Indicator, SCT1100-AN four load cell input with analog output	0,5 kg	Consult

SCT-2200

Part Number/Price

Part #	Description	Est. Weight	Price
Transmitters			
182587	Indicator, SCT2200 for scale input to be used with fieldbus module	0.5 kg	Consult
182589	Indicator, SCT2200-AN Analog Output	0.5 kg	Consult
Fieldbus			
182592	Fieldbus, SCT2200,Profinet Module	0.5 kg	Consult
182594	Fieldbus, SCT2200, Wi-Fi Module	0.5 kg	Consult
182593	Fieldbus, SCT2200, Profibus Module	0.5 kg	Consult
182591	Fieldbus, SCT2200, EtherNet/IP Module	0.5 kg	Consult
182596	Fieldbus, SCT2200, DeviceNet Module	0.5 kg	Consult
182598	Fieldbus, SCT2200, EtherCAT Module	0.5 kg	Consult
182597	Fieldbus, SCT2200, CANopen Module	0,5 kg	Consult
182599	Cable (needed to connect SCT-2200 indicator to fieldbus module)	0,5 kg	Consult
Power Supply			
88792	12VDC 1.2A DIN rail mounted power supply	0,5 kg	Consult
119244	24VDC 1.3A DIN rail mounted power supply	0,5 kg	Consult

How to Order the SCT-2200

Order SCT-2200 transmitter.

Order fieldbus module (HUB mode connects up to 16 transmitters to one fieldbus module). Order cables: (Number of SCTs — 1) + (1 for Fieldbus).

SCT-3300

Part Number/Price

Part #	Description	Est. Weight	Price
Transmitters			
188725	Indicator, SCT3300 four load cell input with analog output	0,5 kg	Consult

Power Supply

Part Number/Price

Part #	Description	Est. Weight	Price
88792	12VDC 1.2A DIN rail mounted power supply	0,5 kg	Consult
119244	24VDC 1.3A DIN rail mounted power supply	0,5 kg	Consult