

SCT-2200

Signal Conditioning Transmitter



SCT2200 Pictured with optional EtherNet/IP Module

Standard Features

- HUB Mode connects up to 16 transmitters to one fieldbus
- Quick menu for real and theoretical calibration
- Remote access through web browser for weight monitoring and calibration over EtherNet/IP, Profinet and Modbus TCP network
- Red LED display with six-digits (8 mm) and six LEDs show active functions
- DIN rail mountable
- Configurable calibration and setup parameters from keyboard
- Calibration using linearization points
- 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, simulation of key pressure, Modbus RTU
- Two RS-485 ports for "daisy-chain" network connections
- Printer management on second serial port available
- Multi-range function allows for subdividing the scale capacity in two, each up to 3,000 divisions
- Modbus RTU ASCII protocol

Approvals



Specifications

Power:

12/24 VDC

Power Consumption: 70 mA min – 100 mA max

Excitation Voltage:

5 VDC, 120 mA, 8 x 350 ohm

Analog Signal Input Range:

± 39 mV

Analog Signal Sensitivity:

0.3 µV/graduation minimum

A/D Sample Rate:

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

Digital Inputs/Outputs:

Two inputs: 12/24 VDC

Two outputs: 150 mA 48 VAC/ 150 mA 60 VDC

Serial Port:

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)

Display:

Six-digit 0.31 in (8 mm), red LED

Annunciators:

Net, center of zero, stability

Keyboard:

Five key, tactile feel

Zero (Down), Tare (Up), Mode (Right), Print (Enter),

C (On/Off)

Temperature & Humidity:

Certified: 14°F to 104°F (-10°C to 40°C)

Operating: 14°F to 122°F (-10°C to 50°C)

Humidity: 85% non-condensing

Dimensions (W x H x D):

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)

Rating/Material:

NEMA Type 1 plastic pluggable connectors

Warranty:

One-year limited warranty

Approvals:

NTEP CC 20-046

Measurement Canada AM-6165C

OIML

cULus

EU Legal for Trade

Part Number/Price

Part #	Description	Est. Weight	Price
Transmitters			
202103 *	Indicator, SCT-2200 for scale input to be used with fieldbus module	1lb	Consult
202104	Indicator, SCT-2200-AN with Analog Output	1lb	Consult
Fieldbus			
182592	Fieldbus, SCT-2200, Profinet module	1lb	Consult
182594	Fieldbus, SCT-2200, Wi-Fi module	1lb	Consult
194343	Fieldbus, SCT-2200, Ethernet TCP/IP and Wi-Fi	1lb	Consult
182593	Fieldbus, SCT-2200, Profibus module	1lb	Consult
212772	Fieldbus, SCT-2200, Profibus module for use with 682 Synergy Indicator	1lb	Consult
182591	Fieldbus, SCT-2200, EtherNet/IP module	1lb	Consult
182596	Fieldbus, SCT-2200, DeviceNet module	1lb	Consult
182598	Fieldbus, SCT-2200, EtherCAT module	1lb	Consult
182597	Fieldbus, SCT-2200, CANopen module	1lb	Consult
196694	Fieldbus, SCT-2200, Modbus TCP module	1lb	Consult
182599	Cable with RJ45 plugs, 6 in length	1lb	Consult

**How to Order the SCT-2200 for use with fieldbus module*

Order SCT-2200 transmitter scale-input module. Order fieldbus module (HUB mode connects up to 16 transmitters to one fieldbus module). Order 1-cable (PN 182599) for each scale-input module in the HUB.

Options/Accessories

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