

# SCT-2200 Signal Conditioning Transmitter

**RICE LAKE**  
WEIGHING SYSTEMS

As of: Friday, February 14,  
2025



## Standard Features

- HUB mode connects up to 16 transmitters to one fieldbus
- Two RS-485 port for "daisy-chain" network connection
- 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
- DIN rail mountable
- Calibration using linearization points
- Reading of the net, gross and tare weights, clearing, semi-automatic and presettable tare setting of outputs application thresholds
- Diagnostic information via serial port, message display, printing, simulation of key pressure, Modbus RTU or ASCII protocol

## Approvals



Measurement  
Canada  
Approved



- Printer management on second serial port available
- Multi-range function allows for subdividing the scale capacity in two, each up to 3,000 divisions
- Easy configuration with Rice Lake Tools software



WARNING:  
Cancer  
and  
Reproductive  
Harm  
California  
Proposition  
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# CONTROL IN MINIATURE

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For PLC systems that require weight data from a scale, Rice Lake's compact SCT transmitters deliver equivalent signal-conditioning function without the cost or bulk of a full size weight indicator/controller. Rice Lake's SCT-2200 is DIN Rail mountable within a cabinet or control panel, where it converts a scale's load cell signals to analog output, serial output, or a specific network protocol. Unlike many other signal transmitters, the SCT-2200 has its own 0.3 inch weight display, with annunciators for unit and weighing status, and push buttons for zero, tare and setpoint entry, simplifying scale setup, calibration and operation.

## BUILT-IN WEB SERVER

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For remote access and touch-free control, simply use a web browser on a PC or mobile device connected to the same network as the SCT-2200. Monitor weight data and perform calibrations without being in the same physical location or pressing any buttons on the SCT-2200 itself for added convenience and safety.

## SCT-2200 Signal Conditioning Transmitter Specifications

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**Power:**

12/24 VDC

**Power Consumption:**

70 mA min to 100 mA max

**Excitation Voltage:**

5 VDC, 120 mA, 8 × 350 ohm load cells

**Analog Signal Input Range:**

± 39 mV

**Analog Signal Sensitivity:**

0.3  $\mu$ V/graduation minimum

**A/D Sample Rate:**

One channel A/D 24-bit sigma-delta conversion, up to 200 conv/sec. auto select

**Resolution:**

Internal: 1,500,000 counts  
Display: 800,000

**Digital I/O:**

Two inputs: 12/24 VDC

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

**Communication Ports:**

(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)

**Annunciators:**

Net, center of zero, stability

**Display:**

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

**Keys/Buttons:**

Five key, tactile feel

Zero (Down), Tare (Up), Mode (Right), Print (Enter), C (On/Off)

**Dimensions:**

(L × H × D)

4.72 × 4.52 × 0.98 in

(120 × 115 × 25 mm)

**Temperature:**

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

**Rating/Material:**

NEMA Type 1 plastic pluggable connectors

**Weight:**

1 lb (0.5 kg)

**Warranty:**

One-year limited

**Approvals:**

NTEP 20-046

Measurement Canada AM-6165C

OIML R76/2006-A-GB1-19.17

UKCA Marked

cULus Listed

# Parts

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## Part # Description

### Transmitters

202103	Indicator,SCT2200 12-24VDC,and RS485/232 Serial Port, DIN Mount, Regulatory Modes.
202104	Indicator,SCT2200-AN Analog Output, 12-24VDC, and RS485/232 Serial Port DIN Mount Regulatory Modes.

### Fieldbus

182592	Fieldbus,SCT2200,Profinet 12-24VDC, RS485 Connection and ProfiNet output DIN Mount
194343	Fieldbus,SCT2200, WIFI 12-24VDC, RS485 Connection and WiFi and TCP/IP Output DIN Mount
182593	Fieldbus,SCT2200,Profibus 12-24VDC, RS485 Connection and Profibus output DIN Mount (SCT-2200 Only)
212772	Fieldbus,SCT2200,Profibus 12-24VDC, RS485 Connection and Profibus output DIN mount (682 Only)
182591	Fieldbus,SCT2200, E/IP 12-24VDC, RS485 Connection and Ethernet/IP output DIN Mount
182596	Fieldbus,SCT2200,Dev.Net 12-24VDC, RS485 Connection and DeviceNet output DIN Mount
182598	Fieldbus,SCT2200,Ethercat 12-24VDC, RS485 Connection and Ethercat output DIN Mount
182597	Fieldbus,SCT2200,CANOPEN 12-24VDC, RS485 Connection and CANOPEN output DIN Mount
196694	Fieldbus,SCT2200, Modbus 12-24VDC, RS485 Connection and Modbus TCP output DIN Mount
182599	Cable,RS485 Network Connection Cable for Fieldbus, 150mm long, w/RJ45, DIN Mount

# Options

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## Part # Description

88792	Power Supply,IDEC 12VDC DIN Rail Mount, 1.3 Amp, Input: 85 to 264 VAC, 100 to 370 VDC 15W
119244	Power Supply,24VDC 1.3A Din Mount Input 90 to 264VAC,120 to 370VDC, UL E135494

**www.ricelake.com | 800-472-6703**

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