Signal Conditioning Transmitter

SCT2200 pictured with optional EtherNet/IP module

Approvals

NTEP · Measurement Canada Approved · OIML · CE · UKCA · cULus LISTED

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 preset tare setting of outputs application thresholds
- Diagnostic information via serial port, message display, printing, simulation of key pressure, Modbus RTU or ASCII protocol
- 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

Part Number/Price

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

NOTE: PN 182587 is superseded by 202103 and PN 182589 is superseded by 202104.
How to Order the SCT-2200 for use with fieldbus module
Order 1 RJ45 cable for every Scale module connected to a Fieldbus module.
* Compatible with 682 indicator*

Options/Accessories

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

Specifications

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 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: 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
0-20 mA, 4-20 mA (Maximum 350 ohm)
0-5 VDC, 0-10 VDC (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

INDICATORS / CONTROLLERS