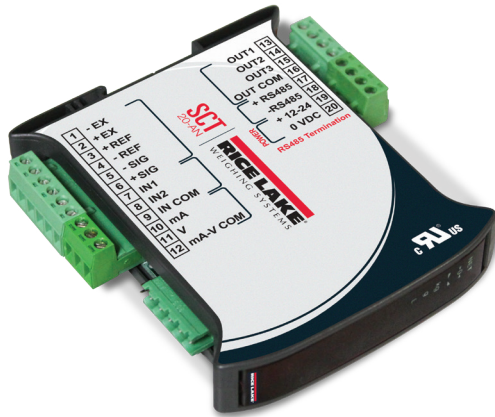


SCT-20

Signal Conditioning Transmitter



INDICATORS /
CONTROLLERS

Approvals



Standard Features

- Space saving, vertical shape with DIN-rail mounting
- Displays weight, configuration, calibration and error conditions
- Theoretical calibration, real-weigh calibration, linearity calibration
- Push-button or preset tare
- Converts digital weight to analog output or optional DeviceNet™ or Profibus™ or EtherNet/IP™ protocol
- Supports ASCII or MODBUS-RTU protocols
- Full-scale analog output with zero setting and PLC correction of analog signal
- Bit swapping selection for little endian and big endian format
- Two digital inputs, three digital outputs
- One serial port, RS-232 transmit only, or RS-485 half duplex connection

Part Number/Price

Part #	Description	Est. Weight	Price
129396	SCT-20 converter with Analog Output	1 lb	Consult
129397	SCT-20 converter with DeviceNet™	1 lb	Consult
129558	SCT-20 converter with Profibus™ DP	1 lb	Consult
129398	SCT-20 converter with EtherNet/IP™	1 lb	Consult
132534	SCT-20 converter with Ethernet TCP/IP™	1 lb	Consult
156903	SCT-20 converter with Modbus/TCP	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:

5 W

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
1.0 µV/graduation recommended

A/D Sample Rate:

300 Hz

Resolution:

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

System linearity:

± 0.01% full scale

Digital I/O:

2 inputs 5 to 24 VDC, 3 outputs 115 VAC/150 mA
N.O. or N.C. (dry contact)

Communication Ports:

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

Analog Output:

Opto isolated, 16 bit
0-20 mA, 4-20 mA (max 300 ohm)
0-10 VDC, 0-5 VDC (min 10k ohm)

Display:

0.3 in (8 mm), six-digit, seven-segment LED
Annunciators: Net, center of zero, stability,
KG, G, LB

Keys/Buttons:

4-key membrane panel, tactile feel
Zero, Tare, Print, Menu, Escape, Left & Up
Navigation, Enter

Dimensions

(W × H × D)
4.72 × 4.52 × 0.98 in
(120 × 115 × 25 mm)

Temperature & Humidity:

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

Rating/Material:

Enclosure: NEMA Type 1 plastic
pluggable connectors

Weight:

1 lb (0.5 kg)

Warranty:

One-year limited

Approvals:

NTEP CC 14-083
cULus Recognized