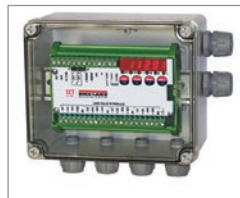
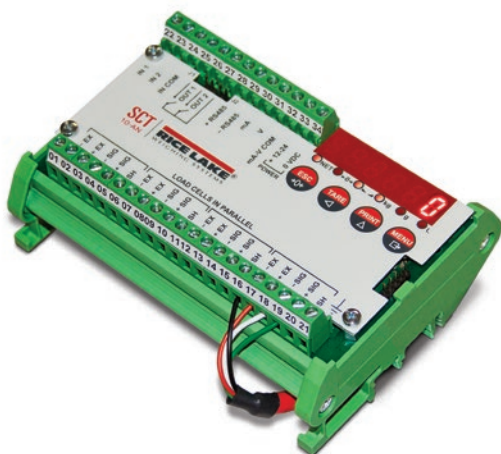


# SCT-10

Signal Conditioning Transmitter

INDICATORS /  
CONTROLLERS



SCT-10 in Plastic Enclosure

Approvals



## Standard Features

- Converts digital weight to analog output
- Sums four input channels in parallel
- Theoretical calibration, real-weigh calibration, linearity calibration
- Push-button or preset tare
- Full-scale analog output with zero setting and PLC correction of analog signal
- Displays weight, configuration, calibration and error conditions
- DIN-rail mounting, suitable for back panel
- Two digital inputs, two digital outputs
- Supports ASCII or Modbus RTU protocols

## Part Number/Price

Part #	Description	Est. Weight	Price
129393	SCT-10 converter with Analog Output	1 lb	Consult
129394	SCT-10 converter with Analog Output in enclosure	1 lb	Consult

## 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
131129	Installation manual	1 lb	Consult
199687	DIN rail clip right & left end clamp		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:

± 19.5 mV

### Analog Signal Sensitivity:

0.3  $\mu$ V/graduation minimum  
1.0  $\mu$ V/graduation recommended

### A/D Sample Rate:

80 Hz

### Resolution:

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

### System Linearity:

± 0.01% full scale

### Digital I/O:

2 inputs 5-24 VDC, 2 outputs  
24 VDC/60 mA  
N.O. or N.C. (solid state)

### Communication Ports:

RS-485 or RS-232 simplex 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, -10 to 10 VDC,  
5 to 5 VDC, (min 10 k ohm)

### Annunciators:

Net, center of zero, stability,  
kg, g, lb

### Display:

0.3 in (8 mm), six-digit, seven- segment LED

### Keys/Buttons:

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

### Dimensions:

(L × W × H)  
DIN Rail Mount: 4.84 × 3.62 × 1.96 in  
(123 × 92 × 50 mm)  
Enclosure: 6.69 × 5.51 × 3.74 in  
(170 × 140 × 95 mm)

### Temperature & Humidity:

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

### Rating/Material:

DIN rail mount: NEMA Type 1  
Enclosure: NEMA Type 4/IP67, plastic  
Clear cover: six PG9 cord grips

### Weight:

1 lb (0.5 kg)

### Warranty:

One-year limited

### Approvals:

cULus Recognized