

SCT-10

Signal Conditioning Transmitter



SCT-10 in Plastic Enclosure



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
- One serial port, RS-232 simplex and RS-485 connection
- Supports ASCII or MODBUS-RTU protocols

Part Number/Price

Part #	Description	Est. Weight	Price
129393	SCT-10 converter with Analog Output	1lb	Consult
129394	SCT-10 converter with Analog Output in enclosure	1lb	Consult
131129	Installation manual	1lb	Consult
199687	DIN rail clip right & left end clamp		Consult

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

Approvals



Specifications

Power:

Input: 12 -24 VDC
Power consumption: 5 W

Excitation Voltage:

5VDC, 120mA, 8 x 350 ohm

Analog Signal Input Range:

+/-19.5mV
0.3 μ V/graduation minimum
1.0 μ V/graduation recommended

A/D Sample Rate:

80 Hz

Resolution:

Internal resolution: 16 million counts
Weight display resolution: 999,999
System Linearity: \pm 0.01% full scale

Digital Inputs/Outputs:

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

Serial Port:

RS-485 or RS-232 simplex supports up to 115,200 bps

Analog Output:

Optoisolated, 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 10k ohm)

Display:

0.3 in (8 mm), six digit, 7 segment LED
Annunciators: Net, center of zero, stability, KG, G, LB
Annunciators test status of inputs/outputs

Keyboard:

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

Operating Temperature & Humidity:

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

Dimensions (WxHxD):

DIN Rail Mount: 4.84 x 3.62 x 1.96 in
(123 x 92 x 50 mm)
IP67 Enclosure: 6.69 x 5.51 x 3.74 in
(170 x 140 x 95 mm)

Weight:

1 lb (0.5 kg)

Warranty:

One-year limited warranty