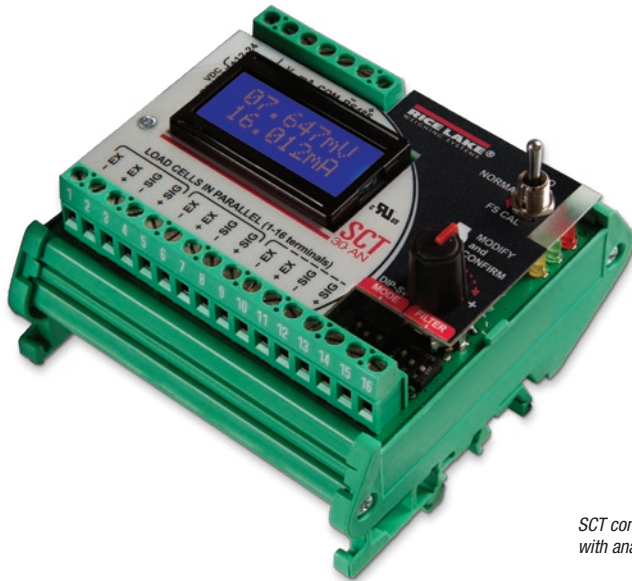


SCT-30

Signal Conditioning Transmitter



SCT converter
with analog output

Standard Features

- LCD display, 5 mm, eight digits
- Powers up to eight (350 ohm) load cells in parallel (with a 24-bit A/D converter)
- A/D converter 24-bit 4.8 kHz
- 16-bit analog output: 0-20 mA, 4-20 mA, 0-5 V, 0-10 V, ± 5 V, and ± 10 V
- Mounting on Omega/DIN rail for back panel or junction box
- IP67-rated enclosed versions
- Diagnostic message for load cell disconnect and over capacity errors



Part Number/Price

Part #	Description	Est. Weight	Price
156794	SCT-30 converter with Analog Output	1 lb	\$325.00
156834	SCT-30 converter with Analog Output in enclosure	1 lb	\$475.00
131129	Installation manual	1 lb	\$25.00

Specifications

Power:

Input: 12 -24 VDC
Power consumption: 3 watts

Excitation Voltage:

5VDC, 120mA, 8 x 350 Ω

Analog Signal Input Range:

+/- 39mV

Analog Signal Sensitivity:

0.1 μ V/graduation minimum
1.0 μ V/graduation recommended

A/D Sample Rate:

300 Hz

Resolution:

Internal resolution: 16 million counts
System linearity: $\pm 0.01\%$ full scale

Serial Port:

RS-485

Analog Output:

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

Display:

Eight-digit alphanumeric tow line LCD, 5 mm high

Keyboard:

Control knob and DIP switches

Temperature & Humidity:

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

Dimensions (W x H x D):

SCT converter: 3.54 x 3.74 x 2.36 in
(90 x 95 x 60 mm)
IP67 enclosure: 6.69 x 5.51 x 3.74 in
(170 x 140 x 95 mm)

Weight:

1 lb (0.5 kg)

Rating/Material:

DIN rail mount: NEMA Type 1
Sealed enclosure: NEMA Type 4/IP67, plastic enclosure, clear cover, six PG9 cord grips

Warranty:

One-year limited warranty