

# SCT-30

Signal Conditioning Transmitter

INDICATORS /  
CONTROLLERS



SCT converter  
with analog output

Approvals



## Part Number/Price

Part #	Description	Est. Weight	Price
156794	SCT-30 converter with Analog Output	1 lb	Consult
156834	SCT-30 converter with Analog Output in enclosure	1 lb	Consult

## 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
131129	Installation manual	1 lb	Consult
199707	DIN rail clip right & left end clamp		Consult

## Standard Features

- LCD display
- 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,  $\pm 5$  V, and  $\pm 10$  V
- Mounting on Omega/DIN rail for back panel or junction box
- Diagnostic message for load cell disconnect and over-capacity errors

## Specifications

### Power:

Input: 12 to 24 VDC

### Power Consumption:

3 W

### Excitation Voltage:

5 VDC, 120 mA, 8  $\times$  350 ohm load cells

### Analog Signal Input Range:

$\pm$ /-39 mV

### Analog Signal Sensitivity:

0.3  $\mu$ V/graduation minimum

1.0  $\mu$ V/graduation recommended

### A/D Sample Rate:

300 Hz

### Resolution:

Internal: 16,000,000 counts

### System Linearity:

$\pm$  0.01% full scale

### Communication Ports:

RS-485

### 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:

Eight-digit alphanumeric tow line LCD, 5 mm high

### Keys/Buttons:

Control knob and DIP switches

### Dimensions:

(L  $\times$  W  $\times$  H)

3.74  $\times$  3.54  $\times$  2.36 in

(95  $\times$  90  $\times$  60 mm)

### Temperature & Humidity:

Operating: -4  $^{\circ}$ F to 140  $^{\circ}$ F (-20  $^{\circ}$ C to 60  $^{\circ}$ C)

Humidity: 85% non-condensing

### Rating/Material:

DIN rail mount: NEMA Type 1

### Weight:

1 lb (0.5 kg)

### Warranty:

One-year limited

### Approval:

cULus Recognized