SCT-10 and SCT-20
Signal Conditioning Transmitter/Indicator
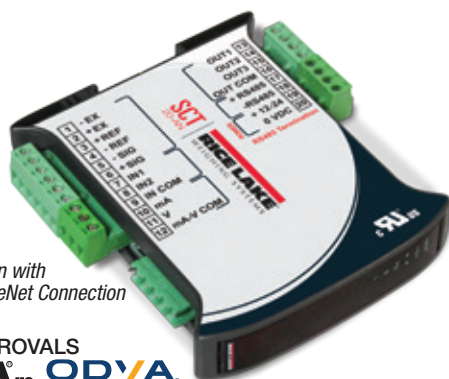
Din Rail Mount

APPROVALS

IP67 Enclosure

Shown with DeviceNet Connection

APPROVALS

ODVA
EtherNet/IP only

	SCT-10 Specifications	SCT-20 Specifications
Power	Input: 12 -24 VDC Power consumption: 5 watts	Input: 12 -24 VDC Power consumption: 5 watts
Excitation Voltage	5 VDC, 120 mA, 8 x 350 Ω	5 VDC, 120 mA, 8 x 350 Ω
Analog Signal Input Range	±19.5mV	± 39 mV
Analog Signal Sensitivity	0.1 µV/graduation minimum 1.0 µV/graduation recommended	0.1 µV/graduation minimum 1.0 µV/graduation recommended
A/D Sample Rate	80 Hz	300 Hz
Resolution	Internal resolution: 16 million counts Weight display resolution: 999,999 System linearity: ± 0.01% full scale	Internal resolution: 16 million counts Weight display resolution: 999,999 System linearity: ± 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)	2 inputs 5-24 VDC, 3 outputs 115 VAC/150 mA N.O. or N.C. (dry contact)
Serial Port	RS-485 or RS-232 simplex supports up to 115,200 bps	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 10,000 ohm)	Optoisolated, 16 bit 0-20 mA, 4-20 mA (max 300 ohm) 0-10 VDC, 0-5 VDC (min 10,000 ohm)
Display	0.3 in (8 mm), 6-digit, 7 segment LED Annunciators: Net, center of zero, stability, KG, G, LB Annunciators test status of inputs/outputs	0.3 in (8 mm), 6-digit, seven segment LED Annunciators: Net, center of zero, stability, KG, G, LB
Keyboard	Four-key membrane panel, tactile feel Zero, Tare, Print, Menu, Escape, Left and Up navigation, Enter	Four-key membrane panel, tactile feel Zero, Tare, Print, Menu, Escape, Left & Up navigation, Enter
Operating Temperature & Humidity	Working temperature: -4° F to 140° F (-20° C to 60° C) Humidity: 85% non-condensing	Working Temperature: -4° F to 140° F (-20° C to 60° C) Humidity: 85% non-condensing
Dimensions	DIN Rail Mount (W x H x D): 4.84 in x 3.62 in x 1.96 in (123 mm x 92 mm x 50 mm) IP67 Enclosure (W x H x D): 6.69 in x 5.51 in x 3.74 in (170 mm x 140 x 95 mm)	SCT converter (W x H x D): 0.98 in x 4.52 in x 4.72 in (25 mm x 115 mm x 120 mm)
Weight	1 lb (0.5 kg)	1 lb (0.5 kg)
Rating/Material:	DIN Rail Mount: NEMA Type 1 Sealed enclosure: NEMA Type 4X/IP67, plastic enclosure, clear cover, 6 PG 9 cord grips	SCT enclosure: NEMA Type 1 plastic pluggable connectors
Warranty	One-year limited warranty	One-year limited warranty

Standard Features

- LED display, 0.3 in (8 mm), 6-digit, 7-segment
- 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
- 2 digital inputs, 2 digital outputs
- One serial port, RS-232 simplex and RS-485 connection
- Supports ASCII or MODBUS-RTU protocols
- CD manual

Standard Features

- LED display, 0.3 in (8 mm), 6-digit, 7-segment
- Space saving, vertical shape with DIN rail mounting
- Displays weight, configuration, calibration and error conditions
- DIN rail mounting
- 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
- 2 digital inputs, 3 digital outputs
- 1 serial port, RS-232 simplex and RS-485 connection
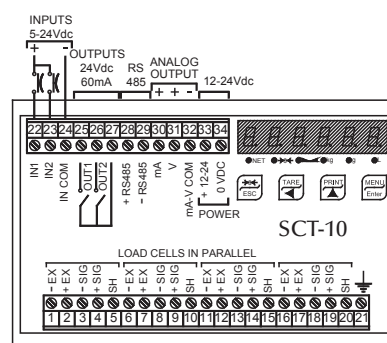- CD manual

SCT-10, SCT-20, SCT-30 and SCT-40
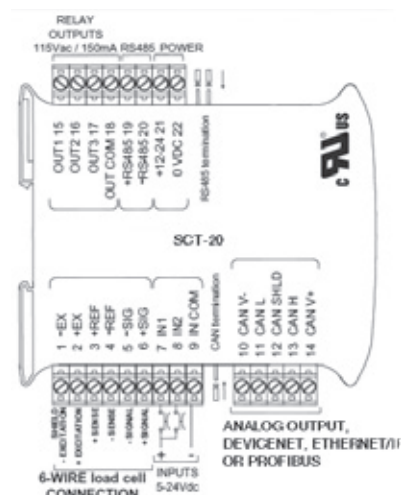Signal Conditioning Transmitter/Indicator

SCT-10
Part Number/Price

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
129393	SCT-10 converter with analog output	1 lb	Consult
129394	SCT-10 converter with analog output in enclosure	1 lb	Consult
88792	12VDC 1.2 A DIN rail mounted power supply	1 lb	Consult
119244	24VDC 1.3 A DIN rail mounted power supply	1 lb	Consult
131129	Installation manual	1 lb	Consult

SCT-20
Part Number/Price

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
129396	SCT-20 converter with analog output	1 lb	Consult
129397	SCT-20 converter with DeviceNet™ output	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 TCP/IP™ EtherNet	1 lb	Consult
156903	SCT-20 converter with Modbus/TCP	1 lb	Consult
88792	12 VDC 1.2 A DIN rail mounted power supply	1 lb	Consult
119244	24 VDC 1.3 A DIN rail mounted power supply	1 lb	Consult
131128	Installation manual	1 lb	Consult

SCT-30
Part Number/Price

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
156794	SCT-30 converter with analog output	1 lb	Consult
156834	SCT-30 converter with analog output in enclosure	1 lb	Consult
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

SCT-40
Part Number/Price

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
170470	SCT-40 with analog output	1 lb	Consult
170471	SCT-40 with DeviceNet output	1 lb	Consult
170472	SCT-40 with Profibus	1 lb	Consult
170473	SCT-40 with EtherNet/IP	1 lb	Consult
170474	SCT-40 with TCP/IP	1 lb	Consult
170475	SCT-40 with Modbus/TCP	1 lb	Consult
170476	SCT-40 with ProfiNet/I/O	1 lb	Consult
88792	12 VDC 1.2 A DIN rail mounted power supply	1 lb	Consult
119244	24 VDC 1.3 A DIN rail mounted power supply	1 lb	Consult
131128	Installation manual	1 lb	Consult