

# SCT Comparative Matrix



	SCT-1100 Specifications	SCT-2200 Specifications	SCT-30 Specifications	SCT-40 Specifications
<b>Power</b>	12/24VDC Power Consumption: 70 mA min – 100 mA max	12/24 VDC Power Consumption: 70 mA min – 100 mA max	Input: 12 -24VDC Power consumption: 3 watts	Input: 12 -24VDC Power consumption: 5W
<b>Excitation Voltage</b>	5VDC, 120 mA, 8 x 350 Ω	5VDC, 120 mA, 8 x 350 Ω	5VDC, 120 mA, 8 x 350 Ω	5VDC, 240 mA, 16 x 350 Ω
<b>Analog Signal Input Range</b>	± 39 mV	± 39 mV	± 39 mV	±39 mV
<b>Analog Signal Sensitivity</b>	0.03 µV/graduation minimum 0.3 µV/graduation recommended	0.03 µV/graduation minimum 0.3 µV/graduation recommended	0.1 µV/graduation minimum 1.0 µV/graduation recommended	0.1 µV/graduation minimum 1.0 µV/graduation recommended
<b>A/D Sample Rate</b>	Four channel A/D 24-bit sigma-delta conversion, up to 200 conv./sec. auto select	One channel A/D 24-bit sigma-delta conversion, up to 200 conv./sec. auto select	300 Hz	600 Hz
<b>Resolution</b>	Internal resolution: 1.5 million counts Weight display resolution: 800,000 minimum	Internal resolution: 1.5 million counts Weight display resolution: 800,000 minimum	Internal resolution: 16 million counts System linearity: ± 0.01% full scale	Internal resolution: 16 million counts Weight display resolution: 999,999 System linearity: ± 0.01% full scale
<b>Digital Inputs/Outputs</b>	Two inputs: 12/24VDC Two outputs: 150 mA 48VAC/ 150 mA 60VDC	Two inputs: 12/24VDC Two outputs: 150 mA 48VAC/ 150 mA 60VDC	N/A	3 inputs 5-24VDC, 5 outputs, 115 VAC/150 mA
<b>Serial Port</b>	(1) RS-485, (1) RS-232	(1) RS-485, (1) RS-232	RS-485	RS-485 or RS-232 simplex supports up to 115,200 bps
<b>Analog Output (if equipped)</b>	Opt isolated, 16-bit 0-20 mA, 4-20 mA (Maximum 350,000 ohm) 0-5VDC, 0-10VDC (Minimum 10,000 ohm)	Opt isolated, 16-bit 0-20 mA, 4-20 mA (Maximum 350,000 ohm) 0-5VDC, 0-10VDC (Minimum 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)	Optoisolated, 16 bit 0-20 mA, 4-20 mA (max 300 ohm) 0-10 VDC, 0-5 VDC (min 10,000 ohm)
<b>Optional Supported Protocols</b>	Analog Output (Standard)	Analog Output, Ethernet TCP/IP, EtherNet/IP™, DeviceNet™, Profibus™ DP, Modbus/TCP, Profinet, EtherCAT, CANopen	Analog Output (Standard)	DeviceNet™, Profibus™, EtherNet/IP™, Analog Output, Ethernet TCP/IP, Modbus/TCP, Profinet I/O
<b>Display</b>	Six-digit (13 mm), red LED Annunciators: Net, center of zero, stability	Six-digit (8 mm), red LED Annunciators: Net, center of zero, stability	Eight-digit alphanumeric tow line LCD, 5 mm high	Backlit graphic LCD, transmissive 128 x 64 pixel resolution, 60 x 32 mm visible area
<b>Keyboard</b>	Five key, membrane panel, tactile feel Zero (Down), Tare (Up), Mode (Right), Print (Enter), C (On/Off)	Five key, tactile feel Zero (Down), Tare (Up), Mode (Right), Print (Enter), C (On/Off)	Control knob and DIP switches	Five-key tactile keypad Test, Zero, Tare, Print Menu, Escape, Left and Up, Navigator, Enter
<b>Temperature &amp; Humidity</b>	Working Temperature: 5°F to 104°F (-15°C to 40°C) Humidity: 85% non-condensing	Working Temperature: 5°F to 104°F (-15°C to 40°C) Humidity: 85% non-condensing	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
<b>Dimensions (W x H x D)</b>	4.17 in x 3.54 in x 2.28 in (106 mm x 90 mm x 58 mm)	0.98 in x 4.52 in x 4.72 in (25 mm x 115 mm x 120 mm)	SCT converter (W x H x D): 3.54 x 3.74 x 2.36 in (90 x 95 x 60 mm) IP67 enclosure (W x H x D): 6.69 x 5.51 x 3.74 in (170 x 140 x 95 mm)	SCT converter (W x H x D): 5.82 x 3.62 x 2.36 in (148 x 92 x 60 mm)
<b>Weight</b>	1 lb (0.5 kg)	1 lb (0.5 kg)	1 lb (0.5 kg)	1 lb (0.5 kg)
<b>Rating/Material</b>	NEMA Type 1 plastic pluggable connectors	NEMA Type 1 plastic pluggable connectors	DIN rail mount: NEMA Type 1 Sealed enclosure: NEMA Type 4/IP67, plastic enclosure, clear cover, six PG9 cord grips	DIN rail mount: NEMA Type 1 Sealed enclosure: NEMA Type 4/IP67, plastic enclosure, clear cover, six PG9 cord grips
<b>Warranty</b>	One-year limited warranty	One-year limited warranty	One-year limited warranty	One-year limited warranty

For PLC systems that require weight data from a scale, Rice Lake's compact SCT transmitters deliver equivalent signal-conditioning function without the cost or bulk of a full size weight indicator/controller.

Each Rice Lake SCT is DIN Rail mountable within a cabinet or control panel, where the scale's load cell signal is converted to analog output, serial output, or a specific network protocol. Unlike many other signal transmitters, Rice Lake's SCT features a 0.3 inch weight display. With annunciators for unit and weighing status, as well as push buttons for zero, tare and setpoint entry, the SCT weight display simplifies scale setup, calibration and operation.

\*The following references: DeviceNet™, Profibus™, EtherNet/IP™, ODVA, Modbus RTU™ are the property of their respective trademark holders.



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