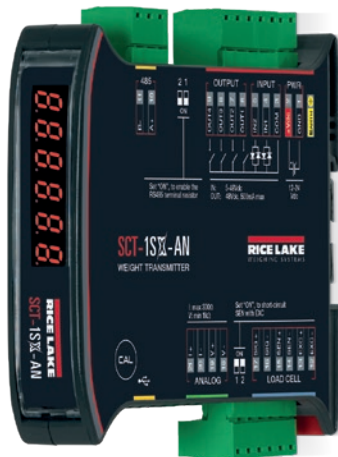


SCT-1SX

Transmitter with Integrated Fieldbus and Web Server



INDICATORS /
CONTROLLERS

Standard Features

- Load cell status diagnostics
- USB port for quick programming
- Integrated fieldbus and web server for configuration, diagnostics and data backup
- Process up to 4800 weight readings per second. The high speed allows an extremely accurate weight filtering even with weighing being performed in milliseconds.
- Up to 120 updates per second on Fieldbus
- New power supply circuit of the load cells (up to 16) for a better weighing stability
- Power supply circuit with protections against overloads, polarity reversal and short circuits, specific for industrial environments
- Micro-USB communication port for configuration, diagnostics and data backup is available on all versions
- Modbus RTU protocol integrated on all versions, up to 110 updates per second
- Real-time warning of any faults or disconnections of the load cell
- The integrated web server allows full diagnostics, calibration and remote configuration of the weight transmitter from an Ethernet network
- Calibration via theoretical (m/V), with sample weights, web server or xSpeed software tool
- Easy configuration with Rice Lake Tools software

Optional xSpeed Software

- Customization of the weighing filter, to maximize the speed and accuracy in static and dynamic applications
- Graphical weighing analysis for the identification of mechanical disturbances and vibrations. Oscilloscope function for system diagnostics and filter optimization.

Part Number/Price

Part #	Description	Est. Weight	Price
216820	SCT-1SX-AN weight transmitter and analog output for DIN rail mount with digital I/O 2 IN and 4 OUT		Consult
229550	SCT-1SX-ETHIP weight transmitter and EtherNet/IP™ port for DIN rail mount with digital I/O 2 IN and 4 OUT, integrated web server		Consult
216821	SCT-1SX-PRONET weight transmitter and PROFINET port for DIN rail mount with digital I/O 2 IN and 4 OUT, integrated web server		Consult
216823	SCT-1SX-MODTCP weight transmitter and Modbus TCP port for DIN rail mount with digital I/O 2 IN and 4 OUT, integrated web server		Consult

Options/Accessories

Part #	Description	Est. Weight	Price
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
Consult	Alibi Memory for type-approved communication to PC/PLC (fiscal memory, max 120,000 weighs) built-in real time clock to print the date/time with PCB, screw terminal, plastic box		Consult
Consult	Real time clock for printing/displaying of date and time		Consult

Specifications

Power:

12 to 24 VDC, 5 W

Power Consumption:

70 mA min to 100 mA max

Excitation Voltage:

5V, 250 mA, 16 × 350 ohm load cells

Analog Signal Input Range:

±39 mV

Analog Signal Sensitivity:

High resolution 0.01 µV/d

Legal for trade 0.3 µV/e

A/D Sample Rate:

Up to 4800 Hz

Resolution:

Internal: 1,500,000 counts

Display: 800,000

Legal for Trade divisions

Up to 10,000e or multi-field 2 × 3,000e

Digital I/O:

Two inputs, configurable: 12 to 24 VDC

Four outputs, configurable: 150 mA 48 VAC/150 mA 60 VDC

Communication Ports:

One RS-485, one RS-232,

one micro-USB port (device)

Serial port update rate: up to 1600 Hz

Fieldbus update rate: up to 120 Hz

Analog Output (if equipped):

OPTO isolated, 16-bit

0 to 20 mA, 4 to 20 mA (maximum 350 ohm)

0 to 5 VDC, 0 to 10 VDC (minimum 10,000 ohm)

Annunciators:

Net, center of zero, stability

Display:

Six-digit (8 mm), red LED

Keys/Buttons:

Five key, membrane panel

Zero (down), Tare (up), Mode (right), Print (enter),

C (on/off)

Dimensions:

(L × W × H)

4.72 × 0.9 × 4.0 in

(120 × 23 × 112 mm)

Temperature:

Certified: 14 °F to 104 °F (-10 °C to 40 °C)

Operating: -4 °F to 140 °F (-20 °C to 60 °C)

Humidity:

85% non-condensing

Rating/Material:

Enclosure: ABS plastic

Warranty:

One-year limited

Approvals:

CE-M EN 45501

2014/30/EU EMC

2014/35/EU LVD

2011/65/EU RoHS

OIML R61 - MID

OIML R76