

SCT-40

SIGNAL CONDITIONING
TRANSMITTERS



RICE LAKE[®]
WEIGHING SYSTEMS

800-472-6703
www.ricelake.com

SCT-40

SIGNAL CONDITIONING TRANSMITTERS

Compact Control



Designed for PLC systems that require seamless integration of weight data, the SCT-40 provides reliable signal-conditioning function without the cost or bulk of a full size weight indicator/controller. With eight independent load cell channels, the SCT-40 delivers more power and more control in a compact design.

The versatile SCT-40 is DIN-rail mountable within a cabinet or control panel, where it converts a scale's load cell signal to analog output, serial output or a fieldbus protocol. Providing more interface surface than its predecessors, the SCT-40 is more technician-friendly and easier to use, which simplifies scale setup, calibration and operation. It comes complete with three digital inputs, five outputs, a 2.4 x 1.26 inch (60 x 32 millimeter) LCD display, annunciators for unit and weighing status, and push buttons for zero, tare and setpoint entry.

Standard Features

- LCD display, 2.4 in x 1.26 in (60 mm x 32 mm)
- Supports up to 8 independent reading channels for load cells
- Displays weight, configuration, calibration and error conditions
- DIN-rail mounting
- Theoretical calibration, real-weight calibration and error conditions
- Push-button or preset tare
- Converts digital weight to analog output or optional DeviceNet™, PROFIBUS or EtherNet/IP™ protocols
- Supports ASCII or Modbus RTU protocols
- Full scale analog cut put with zero setting and PLC correction of analog signal
- Bit swapping selection for little endian and endian format
- 3 digital inputs, 5 digital outputs
- One serial port, RS-232 simplex and RS-485 connection
- CD manual

SCT-40 Optional Protocols

- Ethernet TCP/IP
- EtherNet/IP™
- DeviceNet™
- PROFIBUS-DP
- Modbus TCP

SCT-40 Specifications

POWER:	
Input:	12 VDC-24 VDC
Power consumption:	5W
Excitation Voltage:	5 VDC, 240 mA, 16 ohms x 350 ohms
ANALOG SIGNAL:	
Input Range:	± 39mV
Sensitivity:	0.1 µV/graduation minimum 1.0 µV/graduation recommended
A/D SAMPLE RATE:	600 Hz
RESOLUTION:	
Internal resolution:	16 million counts
Weight display resolution:	999,999
System linearity:	± 0.01% full scale
DIGITAL INPUTS/OUTPUTS:	3 inputs 5-24 VDC, 5 outputs 115 VAC/150 mA
SERIAL PORT:	RS-485 or RS-232 simplex supports up to 115200 bps
ANALOG OUTPUT:	Optoisolated, 16 bit 0-20 mA, 4-20 mA (max 300 ohms) 0-10 VDC, 0-5 VDC (min 10,000 ohms)
DISPLAY:	Backlit graphical LCD, transmissive 128 x 64 pixel resolution, 60 mm x 32 mm visible area
KEYPAD:	Five-key tactile keypad: Test, Zero, Tare, Print Menu, Escape, Left and Up, Navigation, Enter
OPERATING TEMPERATURE AND HUMIDITY:	
Working temperature:	-4° F to 140° F (-20° C to 60° C)
Humidity:	85% non-condensing
DIMENSIONS:	
SCT converter (W x H x D):	5.82 in x 3.62 in x 2.36 in (148 mm x 92 mm x 60 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, 6 PG9 cord grips
WARRANTY:	One-year limited warranty

Approvals



Your Rice Lake Weighing Systems distributor is:

RICE LAKE
WEIGHING SYSTEMS

230 W. Coleman St. • Rice Lake, WI 54868 • USA
TEL: 715-234-9171 • FAX: 715-234-6967 • www.ricelake.com

An ISO 9001 registered company © 2015 Rice Lake Weighing Systems PN 173045 12/15
Specifications subject to change without notice.