

SCT-40 SIGNAL CONDITIONING TRANSMITTER

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 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.

SPECIFICATIONS

POWER:	
Input:	12 VDC-24 VDC
Power consumption:	SW
Excitation Voltage:	5 VDC, 240 mA, 16 ohms x 350 ohms
ANALOG SIGNAL:	
Input Range:	± 39 mV
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

- **LCD DISPLAY**
- **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**
- **OPTIONAL PROTOCOLS: ETHERNET TCP/IP, ETHERNET/IP™, DEVICENET™, PROFIBUS-DP, MODBUS TCP**

