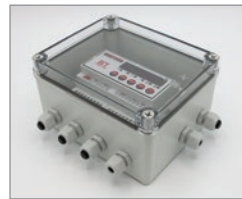# SCT-1100
Signal Conditioning Transmitter

SCT1100-AN with Analog Output

SCT-1100-AN in Plastic Enclosure

Approvals

Measurement Canada Approved | OIML | CE | UKCA | cULus LISTED

Standard Features

- Up to four independent scales or four load cell inputs
- Quick menu for real and theoretical calibration
- Red LED display
- DIN rail mountable
- Configurable calibration and setup parameters from keyboard
- Calibration using linearization points
- Reading of the net, gross and tare weights, clearing, semi-automatic and preset tare, scale switch, setting of outputs application thresholds
- Diagnostic information via serial port, message display, printing, setting of APW in counting mode, digital input for key press
- Modbus RTU or ASCII protocol
- Easy configuration with Rice Lake Tools software

Part Number/Price

Part #	Description	Est. Weight	Price
202101	Indicator, SCT-1100-AN four load cell input with Analog Output	1 lb	Consult
197011	Indicator, SCT-1100-AN four load cell input with Analog Output in plastic enclosure	1 lb	Consult

NOTE: PN 182588 is superseded by 202101

Options/Accessories

Part #	Description	Est. Weight	Price
188483	SCT-1000 converter RS-232/485 to Ethernet TCP/IP and Modbus TCP. Does not have an A/D	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

SCT-1000 Serial to Ethernet converter

Specifications

Power:
12/24 VDC

Power Consumption:
70 mA min to 100 mA max

Excitation Voltage:
5VDC, 120 mA, 8 × 350 ohm load cells

Analog Signal Input Range:
± 39 mV

Analog Signal Sensitivity:
0.3 µV/graduation minimum

A/D Sample Rate:
Four channel A/D 24-bit sigma-delta conversion, up to 200 conv./sec. auto select

Resolution:
Internal: 1,500,000 counts
Display: 800,000

Digital I/O:
Two inputs: 12/24 VDC
Two outputs: 150 mA 48 VAC/150 mA 60 VDC

Serial Ports:
Modbus RTU or ASCII selectable/bidirectional (both ports)
(1) RS-485 for connection to a PC or weight repeater
(1) RS-232 for connection to a PC or printer

Analog Output (if equipped):
Opto isolated, 16-bit
0 to 20mA, 4 to 20mA (Maximum 350 ohm)
0 to 5VDC, 0 to 10VDC (Minimum 10,000 ohm)

Annunciators:
Net, center of zero, stability

Display:
Six-digit (10 mm), red LED

Keys/Buttons:
Five key, membrane panel, tactile feel Zero (Down), Tare (Up), Mode (Right), Print (Enter), C (On/Off)

Dimensions:
(L × W × H)
4.17 × 3.54 × 2.28 in
(106 × 90 × 58 mm)

Temperature:
5 °F to 104 °F (-15 °C to 40 °C)

Humidity:
85% non-condensing

Rating/Material:
Enclosure: NEMA Type 4, plastic
Clear cover: six PG9 cord grips

Warranty:
One-year limited

Approvals:
NTEP 20-046
Measurement CanadaAM-6165C
OIML R76/2006-A-GB1-19.17
UKCA Marked
cULus Listed