

SCT-1100

Signal Conditioning Transmitter

INDICATORS /
CONTROLLERS



SCT1100-AN with Analog Output



SCT-1100-AN in Plastic Enclosure

Approvals



Measurement
Canada
Approved



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 pre-settable 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 RU 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NOTE: PN 182588 is superseded by 202101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	12VDC 1.2A DIN rail mount power supply	1 lb	Consult
119244	24VDC 1.3A 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 5 VDC, 0 to 10 VDC (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 Canada AM-6165C
OIML R76/2006-A-GB1-19.17
UKCA Marked
cULus Listed