PRESENTED BY

NICOL SCALES & MEASUREMENT

AN ISO/IEC 17025:2017
ACCREDITED CALIBRATION COMPANY

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NICOL SCALES & MEASUREMENT IS AN ISO ACCREDITED CALIBRATION COMPANY THAT HAS PROVIDED CALIBRATION, REPAIR AND SALES OF ALL TYPES OF WEIGHING AND MEASUREMENT PRODUCTS SINCE 1931.

NEW



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 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 (mV\V), with sample weights, Web server or XSpeed software tool

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 DIO 2 IN and 4 OUT, integrated web server		Consult
216822	SCT-1SX-ETHIP weight transmitter and EtherNet/IP port for DIN rail mount with DIO 2 IN and 4 OUT, integrated web server		Consult
216821	SCT-1SX-PRONET weight transmitter and PROFINET port for DIN rail mount with DIO 2 IN and 4 OUT, integrated web server		Consult
216823	SCT-1SX-MODTCP weight transmitter and Modbus/TCP port for DIN rail mount with DIO 2 IN and 4 OUT, integrated web server		Consult

Options/Accessories

Part #	Description	Est. Weight	Price
88792	12VDC 1.2A DIN rail mount power supply	1 lb	Consult
119244	24VDC 1.3A DIN rail mount power supply	1 lb	Consult
Consult	PC software, XSpeed with graphical weighing analysis and oscilloscope function for system diagnostics and filter optimization		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, 120 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: 12/24 VDC
Four outputs, configurable: 150 mA 48 VAC/ 150 mA 60 VDC

Communication Ports:
(1) RS-485, (1) RS-232
1 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 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 (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 x 0.90 x 4.00 in
(120 x 23 x 112 mm)

Temperature & Humidity:
For internal use -20°C to 60°C
Approved -10°C to 40°C
Humidity: 85% non-condensing

Rating/Material:
Enclosure: ABS plastic

Warranty:
One-year limited

Approvals:
CE-M EN 45501

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