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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.

SCT-4X

4-Channel Integrated Fieldbus Transmitter



Standard Features

- Manage up to 4-load cells (1 scale) or 4 scales with load cell feed circuit for greater weighing stability
- Process to 2600 weight readings per second for single-channel
- 14.2 mm display with new configuration menu to simplify calibration and configuration
- All data and adjustments of each scale are available through integrated fieldbus with up to 120 updates per second
- Integrated web server allows complete diagnostics, calibration and remote configuration
- Frontal micro-USB communication port for configuration, diagnostics and data backup.
- Removable terminal blocks to simplify wiring in the electrical panel
- RS-485 communication port always available on all versions
- Power supply circuit with protections, specific for industrial environment

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
216824	SCT-4XAN high speed weight transmitter and analog output for DIN rail mount with 2 IN, 2 OUT, keypad, LED display		Consult
216825	SCT-4X-ETHIP high speed 4 channel weight transmitter and EtherNet/IP port for DIN rail mount with DIO 2 IN, 2 OUT, 5-key keypad, LED display		Consult
216826	SCT-4X-MODTCP high speed 4 channel weight transmitter and Modbus/TCP port for DIN rail mount with DIO 2 IN, 2 OUT, 5-key keypad, LED display		Consult
216827	SCT-4X-PRONET high speed 4 channel weight transmitter and PROFINET port for DIN rail mount with DIO 2 IN, 2 OUT, 5-key keypad, LED display		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

Power Consumption:
5W

Excitation Voltage:
5 VDC, 120 mA
up to 16 x 350 ohm cells

Analog Signal Input Range:
± 39 mV

Analog Signal Sensitivity:
0.3 µV/graduation minimum

A/D Sample Rate:
24-bit A/D
Single-channel up to 2600 conv/sec
4 channels up to 100 conv/sec

Resolution:
Internal: 3,000,000 counts
Display: up to 800,000
Up to 8 linearization points

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

Communication Ports:
1 Micro-USB port (device) for PC configuration
(1) RS-485, (1) RS-232

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

Annunciators:
Nine LEDs

Display:
Six-digit 0.31 in (8 mm), red LED

Keys/Buttons:
Five tactile keys
Zeroing, Tare, Function mode, Manual data printing/sending, ON/Stand-by

Dimensions:
(L × W × H)
4.17 x 2.20 x 4.64 inches
(106 x 56 x 118 mm)

Temperature & Humidity:
Certified: 14 °F to 104 °F (-10 °C to 40 °C)
Operating: -4 °F to 140 °F (-20 °C to 60 °C)

Humidity:
80% RH, non-condensing

Rating/Material:
NEMA Type 1 plastic pluggable connectors
ABS

Weight:
1 lb (0.5 kg)

Warranty:
One-year limited

Approvals:
CE-M EN 45501

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