



X320

Designed and built to last in harsh environments

The X320 combines innovation in industrial design and engineering excellence to create an instrument that is ideal for use in food processing, automotive, chemical or pharmaceutical applications or applications that require reliable operation in harsh environmental conditions.

The food grade, impact resistant composite alloy housing incorporates a double 'o' ring seal which provides superior performance over traditional stainless steel enclosures. The X320 is rated to IP69K which is the industry's highest environmental protection rating. It has been designed to withstand cleaning with high pressure water jets (1400psi) at high temperatures (up to 80°C) from multiple angles.

The innovative use of a capacitive keyboard allows the front panel to be constructed as a single piece. The X320 keypad senses an operator's finger, whether gloved or not, from the inside of the enclosure. There are no moving parts to wear out, no glue to deteriorate and no keypad tails to fail due to vibration or corrosion. The strength of the single front facia increases the durability of the instrument, protecting the LCD and electronics from external impacts.

FEATURES

- **Optical Data:** Communications :opto-LINK Data Coupling magnetically coupled infra-red communications. Conversion cables available for RS-232 or USB
- **Correction:** Ten point linearity correction
- **Serial Outputs:** RS-232 automatic transmit, network or printer outputs
- **Transmission rate:** 2400, 4800 or 9600 baud
- **Assignable Function Key:** 1
- **Input/Output:** 3 Outputs - isolated transistor drive outputs (400mA total at 50VDC)
- **Battery backed clock calendar:** Battery life 10 years minimum
- **Functions:** Unit switching, counting, manual hold, peak hold, live weight and totalising check weighing - low, pass, high (3 colour status high intensity LEDs). Configurable print format
- **Setpoints:** 3
- **Remote Input - shared with comms port:** 1
- **Case Materials:** PC + Polyester alloy, PBT, Silicon rubber, SS304 stand
- **Packing Weights:** Basic indicator: 2kg
- **Optional Mountings:** Stainless steel desk/wall mount, Stainless steel pole mount

SPECIFICATIONS

Performance	
Resolution:	Up to 30,000 divisions, minimum of 0.25µV/division, 20 updates/second. Trade Approved NMI S420 4,000d at 0.8µV/division
Zero Cancellation:	±2.0mV/V
Span Adjustment:	0.1mV/V to 3.0mV/V full scale
Excitation:	5V for up to 4 x 350 ohm or 8 x 700 ohm load cells (4 wire or 6 wire + shield)
A/D Type:	24 bit Sigma Delta with 8,388,608 internal counts
Operating Environment:	Temperature: -10 to +50°C ambient, Humidity: 100%, Rating: IP68 and IP69K
Display:	LED Back LCD with six 20mm high digits with units and annunciators
Setup and Calibration:	Full digital with visual prompting in plain msg.
Digital Filter:	Sliding window average from 0.1 to 4.0 seconds
Zero Range:	Adjustable from ±2% to ±20% of full capacity
Power Input	
Standard:	12 to 24VDC, 9.6, 12 and 24V batteries (2.5 VA max) - ON/OFF key with memory feature
Variant - AC:	AC power supply: 110/240VAC
Variant - Battery:	12V battery pack (rechargeable NiMH)