

X320 DIGITAL INDICATOR

DESCRIPTION

The X320 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 IP-69K which is the industry's highest environmental protection rating. It has been designed to withstand cleaning with high pressure water jets (1,400psi) at high temperatures (up to 80°C) from multiple angles.

The X320 indicator provides:

- General purpose weighing functions;
- Clear highly visible display – 20mm LCD display with LED backlight
- Customise – Programmable function key and configurable printing
- Versatile power options – AC, DC and rechargeable NiMH battery options
- Built-in check weigh function - low and 3 coloured high intensity status LEDs
- Isolated outputs - Over, Under, Pass. High side driver up to 400mA, allowing for example, direct connection to PLCs and for external actuators to be driven directly
- Built-in RS-232 communications port
- Flexible mounting options – stainless steel desk/wall mount and pole mount
- Integrated check-weigh function with status LEDs built into the front fascia.



HIGHLIGHTS

- IP-68 and IP-69K Rated
- Three-band Check Weighing
- Built-in Check Weigh LEDs – Three Coloured High Intensity Status LEDs
- AC, DC and Rechargeable NiMH Battery Options
- Trade Approved for 4,000d @ 0.8µV/d
- Built-in RS-232 Communications Port
- Tough Enclosure – Impact Resistant Composite Alloy Housing

THE DESIGN

- Double O- ring to seal the two clams
- Single front panel to protect the display and avoid leaks
- Capacitive keys therefore no moving parts
- No glued membrane to fail
- No traditional keypad to damage
- No external parts using adhesive
- Sturdy design with enhanced wall strength

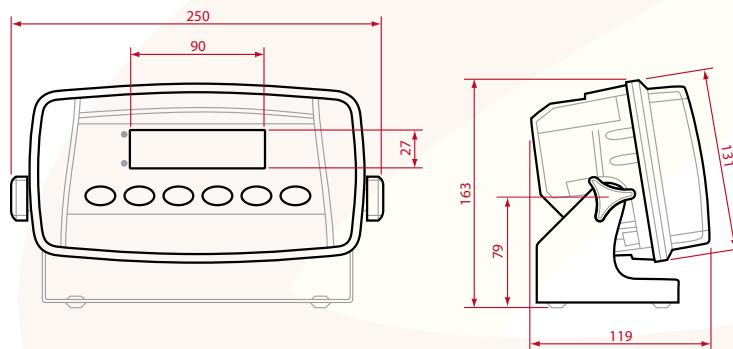
THE MATERIAL

- Food grade
- Chemical resistant
- Impact resistant

SPECIFICATIONS

PERFORMANCE	
Resolution	Up to 30,000 divisions, minimum of 0.25µV/division, 20 updates/second
Zero Cancellation	±2.0mV/V
Span Adjustment	0.1mV/V to 3.0mV/V full scale
Excitation	5V for up to 4 x 350Ω or 8 x 700Ω loadcells (4-wire or 6-wire plus shield) Maximum combined loadcell resistance: 3,500Ω
A/D Type	24bit Sigma Delta with 8,388,608 internal counts
Operating Environment	Temperature: -10 to +50°C ambient, Humidity: 100%, Storage: -20 to +50°C ambient, IP69K and IP68
DISPLAY	
Display	LED Backlit LCD with six 20mm high digits with units and annunciators
Setup and Calibration	Full digital with visual prompting in plain messages
Digital Filter	Sliding window average from 0.1 to 4.0 seconds
Zero Range	Adjustable from ±2% to ±20% of full capacity
POWER SUPPLY	
Standard Power Input	12 to 24VDC, 9.6, 12 and 24V batteries (2.5 VA max) – ON/OFF key with memory feature
AC	AC Power supply: 110/240VAC 50/60Hz in, 12VDC 1.2A out
Battery	12V battery pack (rechargeable NiMH)
FEATURES	
Optical Data Communications	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: 2,400, 4,800 or 9,600 baud
Setpoints	3
Assignable Keys	1
Input/Outputs	3 Outputs - transistor drive outputs (400mA total at 12-24VDC)
Battery Backed Clock Calendar	Battery life 10 years minimum
Functions	Unit switching, counting, manual hold, peak hold, live weight and totalising Check weighing Check weighing – low, pass, high (3 colour status high intensity LEDs) Configurable print format
Remote Input	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

DIMENSIONS



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