

X320 – Data Sheet



- IP68 and IP69K rated
- 3 band check weighing
- Built in check weigh display
- AC, DC and rechargeable NiMH battery options
- Trade Approved Australia/Europe/USA
- Built-in RS232 communications port
- Tough enclosure - impact resistant composite alloy housing

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 X320 indicator builds on Rinstrum's already successful R320 indicator.

Constructed of a high tech plastic alloy that is:

- Food grade
- Chemical resistant
- Temperature resistant
- Impact resistant

Double 'o' ring seal which provides superior performance over traditional stainless steel enclosures.

IP69K rating: the industry's highest environmental protection rating - designed to withstand cleaning with high pressure water jets (1400psi) at high temperatures (up to 80°C) from multiple angles.

Built-in check weigh function – with 3 coloured high intensity LEDs

Isolated outputs - Over, Under, Pass. High side driver up to 400mA, allowing direct connection to PLCs and external actuators to be driven directly

Customisable - Programmable function key and configurable printing

Smart Weighing



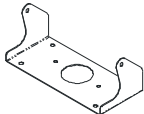
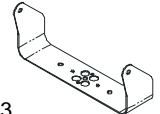
What makes this housing exceptional?

The design - sealed and tough

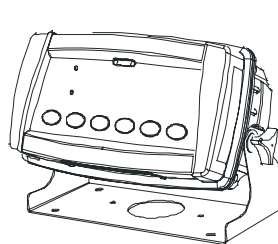
- Double O ring to seal the outer housing
- Single piece front panel to protect the display and avoid leaks
- Capacitive keys with no moving parts
- No glued membrane to fail
- No traditional keypad to damage
- No external parts using adhesive
- Sturdy design with enhanced wall strength

The material - high tech composite alloy

..now that's smart weighing.

		X320		
Resolution		Up to 30,000 divisions, minimum of 0.25 μ V/division. (K307 up to 60,000 divisions)		
Zero Cancellation		± 2.0 mV/V		
Span Adjustment		0.1mV/V to 3.0mV/V full scale		
Excitation		5 V for up to 4 x 350 or 8 x 700 ohm load cells (4-wire or 6-wire plus shield) Maximum total load cell resistance: 3,500 ohms		
A/D Type		24bit Sigma Delta with 8,388,608 internal counts 20 updates/second		
Operating Environment		Temperature: -10° to $+50^{\circ}$ C ambient (14 $^{\circ}$ to 122 $^{\circ}$ F) Humidity: 100% IP69K and IP68		
Display		LED Backlit LCD with six 20mm (0.8") 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 s		
Zero Range		Selectable from $\pm 2\%$ to $\pm 100\%$ Full Scale		
Standard Power Input		12 to 24VDC, 9.6,12 and 24V batteries (2.5 VA max) ON/OFF key with memory feature		
Variants	AC	AC Power supply: 110/240VAC 50/60Hz in 12VDC 1.2A out		
	Battery	12V battery pack (rechargeable NiMH)		
Optical Data Communications		Magnetically coupled infra-red communications Conversion cables available for RS232 or USB		
Serial Outputs		RS232 automatic transmit, network or printer outputs. Transmission rate: 2400, 4800 or 9600 baud		
Assignable Function Keys		1		
Input/Outputs		3 isolated high side drive outputs (max 400mA each at 12-24VDC) 1 Input		
Battery Backed Clock Calendar		Battery life 10 years minimum		
Functions		Unit switching, counting, manual hold, peak hold, live weight, totalizing		
Case Materials		PC + Polyester alloy, PBT		
Packing Weights		Basic Indicator: 2kg (4.4lb)		
Optional Mounting		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Stainless steel bracket: Desk/wall M3012</p> </div> <div style="text-align: center;">  <p>Pole M3013</p> </div> </div>		
		K304	K306	K307
Approvals		4,000 d @ 0.8uV/d NMI (S-420),OIML R76		10,000d III/II L NTEP 08-072
		FCC, CE, C-tick		
Linearity Correction		Ten point	-	-
Range		Single	Dual	Single

Specifications are subject to variation for improvement without notice. Illustrations are indications only and variation may be evident between products



Shown with M3012 stand

