

HIGHLIGHTS

- NMI Trade-Approved
- Basic Weighing
- Counting
- Totalising
- Check-Weighing
- Custom Printouts

FEATURES



The Rinstrum 5200 is a general purpose keyboard indicator that can be fitted with the usual Rinstrum options (Serial, Setpoints and Analog) for use in many different weighing applications.

It also has very good totalising, counting, grading and check-weighing functionality for one product in the standard configuration. Adding an optional license code allows 99 products and records to be fully tracked and maintained.

Check-Weighing is where this unit really excels; with many dedicated functions available to allow the 5200 to operate as a very sophisticated check-weighing system.

The 5200 hardware and software is fully optimised for achieving fast and accurate weight readings with very short settling times.

The product IDs can be recalled through the keyboard by alpha/numeric codes and it is also possible to print product totals listing number of items, total weight and average weight (globally or by individual codes).

The Ranger Viewer software allows for fast and easy configuration of all operating parameters, including the ability to create all setup and calibration data as well as backup and restore product names, individual totals and group totals.

The custom built LCD display uses 6 x 20mm high alpha/numeric digits with super-bright LED backlighting for easy reading under all lighting.

The on-board clock/calendar/ram-backup ensures critical zero, tare and stored totals are not lost or corrupted during an unexpected power shutdown.

The 5200 is trade approved for 6,000 divisions @ 0.5µV/Division using up to 12 x 350Ω load cells in single range, dual range and dual interval modes. For non-trade use, there are 100,000 divisions available @ up to 60 updates per second.

Another major benefit of the 5200 is configurable printing. It is now possible for novices to format complex custom printouts very quickly when using the printing “wizard” in our Ranger Viewer software.

The “adjustable everything” approach to the 5200 programming allows the indicator to be ideally configured to suit almost any site requirements.

There are two individually configurable serial ports fitted; Port 1 has RS-232 and RS-485, while Port 2 has RS-232 only. The output strings are adjustable and the in-built RS-485 termination resistors can be software enabled through the setup.

- 100,000 Divisions @ 60 Updates per Second
- High Sensitivity Input (0.15 µV/Division, Non-Trade)
- Single Range, Dual Range and Dual Interval Modes
- Clock/Calendar and Battery Backed Memory Standard
- “Plain English” Setup and Calibration Messages
- Anti-Vibration Filter for Mixer/In-Motion Applications
- Independent Zero, Span and Linearising Functions
- User-Programmable Printed Ticket Headers
- Full Metal Housing, C-Tick and CE Approved
- Audible and Tactile Feedback on Sealed IP-65 Keypad
- 20mm LCD Display with LED Backlighting
- Network Ready with Internal Terminating Resistors
- AC and DC Versions Available

SPECIFICATIONS

PERFORMANCE	
Display	Backlit LCD with 20mm, 6 Digit Primary Display
Display Resolution	Up to 100,000 Divisions, Minimum of 0.15 μ V/Division
Count-by	1, 2, 5, 10, 20, 50, 100
Operating Modes	Single Range, Dual Interval, Dual Range and Direct mV/V
Zero Cancellation	\pm 2.0mV/V
Span Adjustment	0.1mV to 3.0mV Full Scale
Stability/Drift	Zero: < 0.1 μ V/ $^{\circ}$ C, Span < 10ppm/ $^{\circ}$ C, Linearity < 20ppm, Noise < 0.05 μ V p-p
Operating Environment	Temperature -10 $^{\circ}$ C to +50 $^{\circ}$ C, Humidity < 90% Non-Condensing
DIGITAL	
Setup and Calibration	Full Digital with Visual Prompting in Plain Messages
Memory Retention	Full Non-Volatile Operation
Digital Filter	Averaging from 1 to 200 Consecutive Readings
Zero Button	Adjustable from 4% to 100% of Full Capacity
A/D CONVERTOR	
Type	24 Bit Sigma Delta
Resolution	8,388,608 Internal Counts
A/D Sync Filter	Adjustable, 12.5 to 60 Cycles/Second, FIR Filter > 80dB
LOADCELLS	
Excitation	8V for Up to 12 x 350 Ω Loadcells
Load Cell Connection	6-Wire and Shield
SERIAL COMMS	
Serial Outputs	Dual RS-232, Plus RS-485
Capabilities	Automatic Transmit, Network and Printer Drive
Clock	Battery Backed Clock and Calendar Fitted
DIMENSIONS	
Case Size	135mm(W) x 65mm(H) x 105mm(D), Front Bezel is 180mm Wide x 82mm High
Panel Cutout	DIN 43 700 - 137mm +1 Wide x 68mm +1 High
POWER SUPPLY	
DC	12-24VDC, 10VA
AC	86-260VAC, 48-62Hz, 8VA
OPTIONS	
Setpoint Option Card	4 x Isolated 50V, 500mA Open Collector Transistor Drives and 4 x Isolated Digital Inputs (5V to 28V)
Combo Option Card	-10 to10 V or 4-20mA Opto-Isolated Analogue Output, Two Outputs and One Input as per the Setpoint Option Card
Number of Option Slots	One Standard
FEATURES	
	NMI Trade-Approved to 6,000 Divisions, C-tick Approved, CE Approved

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