



RINSTRUM 5230 TRUCK WEIGHING DIGITAL INDICATOR

HIGHLIGHTS

- NMI Trade-Approved
- Single Weighing
- Truck In / Truck Out
- Multiple Axles
- Tracking for up to 200 Truck IDs, Destinations and Products Reporting/Printing Functions

FEATURES

The Rinstrum 5230 expertly handles commonly used truck weighing functions without the need for an expensive data handling printer. It is also ideal for use in sites that don't want or need the complexity of a PC based system.

The operator data entry procedures are very straight-forward with all required fields being prompted for through the display. There are standard printing formats available to suit each type of application.

The Rinstrum 5230 indicator has 200 NVRAM memory allocations available for sharing between truck ids, destinations and products. This storage area is dynamic assigned during normal use to suit each sites specific requirement.

The Ranger Viewer software for PC interface allows fast and easy configuration of all operating parameters, including the ability to create, backup and restore all truck IDs, destinations and products.

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

Multiple weighings (up to 10) are obtainable for split or axle weighing for first, second or single weights. Storage of first weights or tares against the truck ID allows for quick and easy processing of transaction.

The "find" key assists in quickly locating stored data during a weight transaction. The various levels of operator access can help protect against the accidental deletion of stored data.



The Rinstrum 5230 retains all the outstanding performance characteristics of the Rinstrum 5000 with 100,000 divisions available @ 60 updates per second in single range, dual range and dual interval modes.

The "adjustable everything" approach to the 5230 programming allows the indicator to be perfectly matched to the 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.

The Rinstrum 5230 has the capability to perform automatic loading operations on the weighbridge. A single material with fast/slow feeders can be controlled with batching type software built in to the indicator. This unit also can also remind the operator when the next Quality Assurance certification is due.

The Trade Approval sensitivity of 6,000 divisions @ 0.5 μ V per division is ideal for weighbridge use in single range, dual range and dual interval modes.

- Stored Tares
- Multiple First Weight Store
- Totals for Truck Product and Destination
- "Find" key for Enhanced Useability
- Truck Weighing with Batching
- Automatic Sequences for Un-manned Sites
- Dedicated truck weighing function keys

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
	Five Point Linearity Correction
	Adjustable Anti-Vibration Filter

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