

RINSTRUM 2150

BAGGAGE WEIGHER

DIGITAL INDICATOR

HIGHLIGHTS

- Only 23mm Depth
- Remote Display Output
- Serial and Printing Outputs
- Large 27mm LCD Display
- Super-bright LED Back-Lighting
- Dedicated Bag Handling Functions
- Bag Weight, Number of Bags and Total Bag Weights

FEATURES

The Rinstrum 2150 has dedicated baggage weighing functionality for easy monitoring of both the total weight summing and the number of bags to ensure preset bag numbers and weight limits are not exceeded.

This information can also be transmitted to an optional Rinstrum 2101 remote display for passenger viewing. Printing or computer network communications are also available using an optional serial splitter device.

Dedicated key pad functions increase input capabilities and decreases the chance of operator error. Pre-determined bag and total weight limits prevent excess baggage weights being accepted by the operator.

The 2150 surface mount components offer extreme reliability with an ultra slim 23mm housing depth that is ideal for mounting in shallow counters. The large 27mm alpha LCD display has super-bright LED back-lighting for use in all lighting conditions.

The 2150 uses the very powerful sigma-delta A/D converter to ensure that very stable and accurate weight readings are attained. The setup and calibration functions are very comprehensive and are fully digital with all settings displayed in plain English messages.

The on-board clock/calendar/ram ensures zero, tare, totals and other critical data is not lost or corrupted during unexpected power interruptions.

This unit can also remind the operator when the next Quality Assurance certification is due by intermittently flashing warning messages through the display.



STANDARD FEATURES

- LED Back-Lighting (Adjustable Brightness)
- 27mm Alpha-Numeric LCD Display
- Full Digital Setup and Calibration
- 30,000 divs. @ 25 Updates/Second
- Display Test/ON/OFF Switch
- 6-Wire Loadcell Wiring
- Clock/Calendar/RAM

Available "RANGER-SMART" Options:

- 0110 Plug Pack 500mA
- 0330 110-240VAC Power Supply with Stainless Steel IP-65 Housing
- 0331 12-24VDC Power Supply with Stainless Steel IP-65 Housing
- 0333 Stainless Steel Desk and Wall Bracket
- 0329 Stainless Steel IP-65 Housing
- 0227 Relay Output Module

APPROVALS

- NMI Trade-Approved, C-Tick, OIML, CE

SPECIFICATIONS

PERFORMANCE		
Approvals	NMI and OIML Approved for 6,000 Divisions @ 1.0µV per Division, C-Tick and CE.	
Display	Backlit Alpha-Numeric LCD with Six 27mm High Digits	
Backlight	LED Backlight with Adjustable Brightness	
Display Resolution	Up to 30,000 Divisions, Minimum of 0.25 µV/Division	
Count-By	1, 2, 5, 10, 20, 50, 100	
Zero Cancellation	±2.0mV/V	
Span Adjustment	0.1mV/V to 3.0mV/V Full Scale	
Stability/Drift	Zero: < 0.1uV/°C, Span < 10ppm/°C, Linearity < 20ppm, Noise < 0.05µV p-p	
Operating Environment	Temperature -10 to +50°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 100 Consecutive Readings	
Zero Range	Adjustable from ±2% to ±20% of Full Capacity	
A/D CONVERSION		
Type	24 Bit Sigma Delta	
Resolution	8,388,608 Internal Counts	
A/D Sync Filter	Fixed 25Hz, FIR Filter > 80dB	
LOADCELLS		
Excitation	8V for Up to 8 x 350Ω Loadcells (6 Wire and Shield)	
SERIAL COMMS		
Serial Output	Single RS-232 with 15kV Static Protection, Data Can be Configured for Automatic Transmit, Network or Printer Drive	
POWER INPUT		
Standard Variants	2100	9..15VDC (60mA to 400mA Depending on Loadcells and Backlight)
	0329	Stainless Steel Housing, 9-15VDC
	0331	12-24VDC Power Input and 0329 Stainless Steel Housing
	0330	110-240VAC Power Input and 0329 Stainless Steel Housing
DIMENSIONS		
Body Size	189mm (L) x 99mm (H) x 23mm (D)	
Panel Cutout	Flush mounted with cable holes drilled separately (template provided)	
FEATURES		
Standard Features	Five Point Linearity Correction and Assignable Function Key for Operator Use	
	TBaggage Weighing Software	
	Three Remote Inputs and lb/kg Switching Fitted as Standard	
	Battery Backed Clock and Calendar Fitted as Standard	
OPTIONS		
Hardware	Panel Mounts, Desk/Wall Brackets, AC Adaptors, Output Modules, Etc.	

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