2100
series

rinstrum
SMART WEIGHING SOLUTIONS

2100

844 kg

POWER
I/o

ARE

GROSS/NET

PRINT/M+

T

practical combination of
features and applications

compact
slim line housing

The 2100 series indicators combine a large 27mm LCD display with a compact slim line housing. The 2100 has built in a practical set of applications, including filling and check weighing, with a range of power and mounting options. The 2150 incorporates specialist baggage weighing features and when used with the 2101 remote display makes a compact baggage handling system.

Features

30,000d @ 0.25 µV/d

Trade approved to 6,000d

8 x 350Ω load cells

Built in serial communications (RS232)

AC and DC versions

3 set points

Clock calendar

2100 - General Purpose Indicator

Built in application support

- Single material, two speed filling
- Check weighing - low, pass and high
- Basic printing with built in clock calendar

Programmable function key

- Batch control
- Parts counting
- Unit switching
- Hold and peak hold
- Live weight
- Total

dedicated baggage
handling system

2150 - Baggage Weigher

Dedicated application for baggage handling

- Dedicated baggage functions including number of bags and total weight summing
- Combines with 2101 remote display for complete baggage handling systems

Versatile Power and Mounting Options

Flush Mount - The standard indicator (12VDC) is flush mount with a maximum depth of only 23mm, small cutouts only required for cabling.

Stainless Steel Housing - The optional stainless steel housings allow for stand alone desk/wall mounting accommodating the three power options (12-24VDC, 110-240VAC or battery).

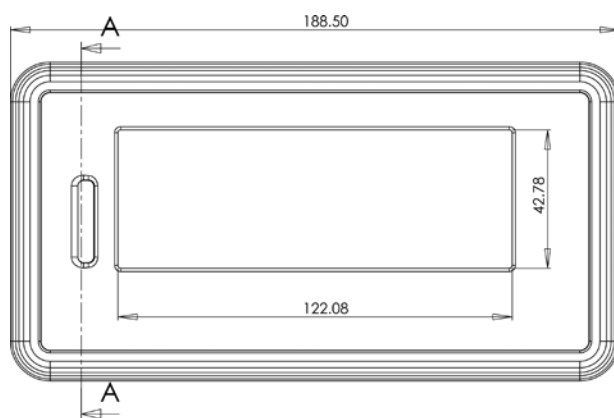These options ensure that the indicators can be suitably mounted in a variety of environments.

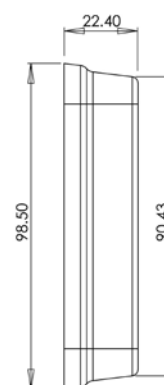| Slim line flush mounting	Only 23mm deep, mounts directly on a surface with small cutouts only required for cabling to pass through.
Flexible Input/Output	Three (3) control points can be configured independently as either inputs or outputs.
Large high contrast LCD display with LED backlight	Improves operator visibility and accuracy of reading the weight.
Built in clock calendar	Allows for traceable dockets to be printed, requiring a less sophisticated printer.
Relay Output Module	Innovative design allows the relay module to mount directly onto the instrument housing; no cabling or external power required. • Three (3) voltage free relay outputs • Outputs are independent and isolated • Rated to 250VAC and 8A • Normally open (N/O) and normally closed (N/C) contacts

2100 series
THAT'S WEIGHING SMART

Performance		2100	2150
Resolution		Up to 30,000 d, minimum of 0.25µV/d	
Approvals		FCC, CE, C-tick, NSC S403 approval 6000 d at 1µV/d OIML R76 approval 6000 d at 1µV/d	
Zero Cancellation		+ / – 2.0mV/V	
Span Adjustment		0.1mV/V to 3.0mV/V full scale	
Excitation		8V for up to 8 x 350 ohm load cells (6-wire + shield)	
A/D Converter Type		24bit Sigma Delta 8,388,608 internal counts	
Operating Environment		Temperature: –10 to +50°C ambient, Humidity: <90% non-condensing	
Display		LED Backlit LCD with six 27mm high digits with units and annunciators	
Setup and Calibration		Full digital with visual prompting in plain messages	
Digital Filter		Averaging from 1 to 100 consecutive readings	
Zero Range		Adjustable from +/– 2% to +/–20% of full capacity	
Standard Power Input		9 to15VDC (60mA to 400mA depending on load cells and backlight) ON/OFF key with override and Auto-Off software	
Power Supply Options	DC	12-24VDC 10VA fitted in stainless steel housing	
	AC	110/240VAC 50/60Hz 10VA fitted in stainless steel housing	
	Battery	12VDC 2.5Ah NiMH rechargeable battery fitted in stainless steel housing	
Correction		Five point linearity correction	
Serial Outputs		RS232 automatic transmit, network or printer outputs. Transmission rate: 2400, 4800 or 9600 baud	
Assignable Function Key		1	-
Setpoints		3	
Clock		Battery Backed Clock Calendar	
Functions		Unit switching, total, hold & peak hold, live weigh and counting Batching – 1 Material, 2 Speed and Dump. Basic check weighing – low/pass/high	Total weight summing Number of bags Dedicated keypad functions
Countby		1, 2, 5, 10, 20, 50, 100 (Entered in Displayed Weight)	
Packing Weights		0.9kg	
Optional Mounting		Stainless steel desk mount Stainless steel housings (variety power options)	

Weight Indicator	Dimensions in mm (1 inch = 25.4 mm)	
2100 Front View		2100 Side View