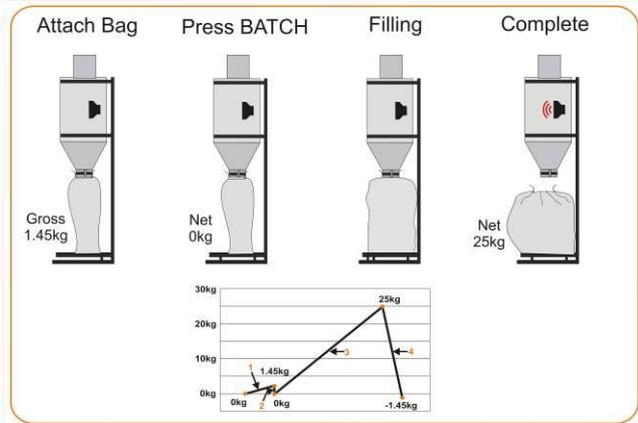
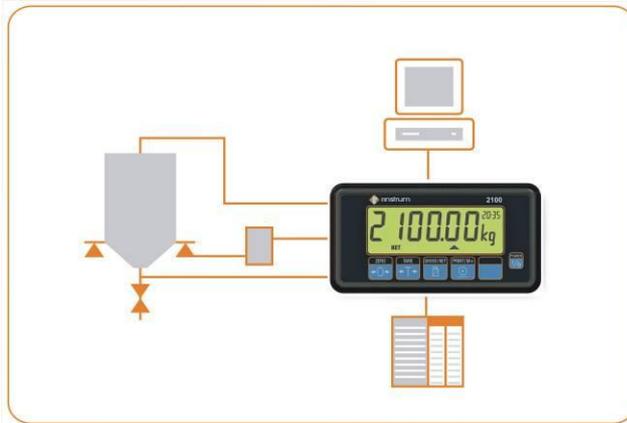


## 2100 – Data Sheet



- 30,000d @ 0.25  $\mu$ V/d
- Trade approved to 6,000d
- 8 x 350 $\Omega$  load cells
- Built in serial communications (RS232)
- AC and DC versions
- 3 set points
- Clock calendar

The 2100 series indicators feature a large LCD display in a compact slim line housing. The 2100 combines a practical set of applications, including filling and check weighing, with a range of power and mounting options.

### Built in application support

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

**Three input/outputs standard:** Three (3) control points can be configured independently as either inputs or outputs.

**Programmable function key:** Batch control, Parts counting, Unit switching, Hold and peak hold, Live weight and Total

**Suitable in various lighting conditions:** The large 27mm high LCD display and LED backlighting make for improved visibility in all lighting conditions.

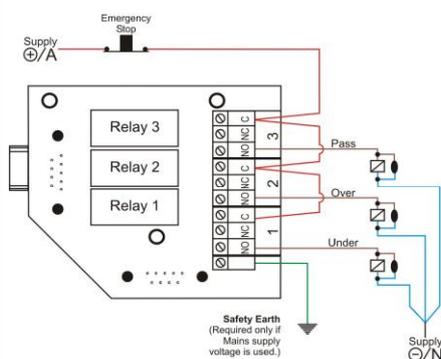
**Flexible power options:** The unit is available in four powering options, two DC variants, AC and battery.

**Serial Output:** The RS232 serial output is provided standard for use with a remote display, printer or connection back to a PC.

**Multiple housing options,** available standard as panel mount or optionally with a stainless steel housing if a desk mounted IP65 solution is required.

**Only 22mm (0.9in) deep,** mounts directly on a surface with small cut outs only required for cabling to pass through.

### Smart Weighing



### Simple relay module mounting

The innovative design allows the relay module to mount directly onto the instrument housing; no cabling or external power required.

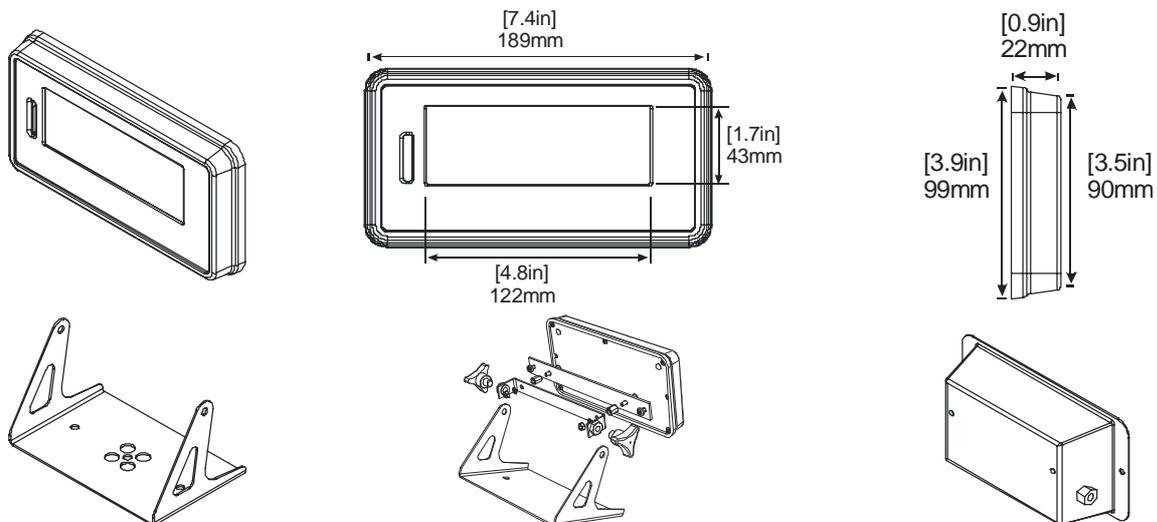
- Three (3) voltage free relay outputs;
- Outputs are independent and isolated;
- Rated to 250VAC and 8A;
- Normally open (N/O) and normally closed (N/C) contacts.

*..now that's smart weighing.*

## 2100 Series Specification Table

		2100	2150
<b>Resolution</b>		Up to 30,000 d, minimum of 0.25 $\mu$ V/d	
<b>Approvals</b>		6,000 d at 1 $\mu$ V/d NSC S403, OIML R76 FCC, CE, C-tick,	
<b>Zero Cancellation</b>		$\pm$ 2.0mV/V	
<b>Span Adjustment</b>		0.1mV/V to 3.0mV/V full scale	
<b>Excitation</b>		8V for up to 8 x 350 ohm load cells (6-wire + shield)	
<b>A/D Converter Type</b>		24bit Sigma Delta 8,388,608 internal counts	
<b>Operating Environment</b>		Temperature: -10 to +50°C ambient (14 °F to 122 °F), Humidity: <90% non-condensing	
<b>Display</b>		LED Backlit LCD with six 27mm (1") high digits with units and annunciators	
<b>Setup and Calibration</b>		Full digital with visual prompting in plain messages	
<b>Digital Filter</b>		Averaging from 1 to 100 consecutive readings	
<b>Zero Range</b>		Selectable from $\pm$ 2% to $\pm$ 20% Full Scale	
<b>Standard Power Input</b>		9 to 15VDC (60mA to 400mA depending on load cells and backlight) ON/OFF key with override and Auto-Off software	
<b>Variants</b>	<b>DC</b>	12-24VDC 10VA fitted in stainless steel housing	-
	<b>AC</b>	110/240VAC 50/60Hz 10VA fitted in stainless steel housing	
	<b>Battery</b>	12VDC 2.5Ah NiMH rechargeable battery fitted in stainless steel housing	
<b>Linearity Correction</b>		Five (5) point	
<b>Serial Output</b>		RS232 automatic transmit, network or printer outputs. Transmission rate: 2400, 4800 or 9600 baud	
<b>Assignable Function Keys</b>		1	-
<b>Range</b>		Single	
<b>Clock</b>		Battery Backed Clock Calendar	
<b>Functions</b>		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
<b>Set points</b>		3	
<b>Count-by</b>		1, 2, 5, 10, 20, 50, 100 (Entered in Displayed Weight)	
<b>Packing Weight</b>		0.9kg (31 oz)	
<b>Optional Mounting</b>		Stainless steel desk mount IP65 Stainless steel rear housing with a variety power options	

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



Stainless steel bracket

Mounting unit directly on bracket

IP65 stainless steel rear housing