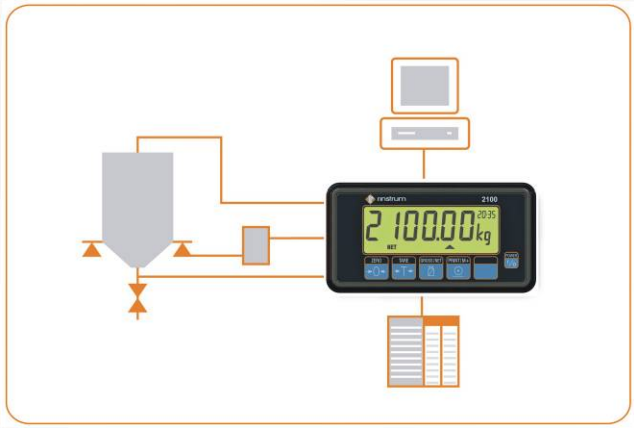
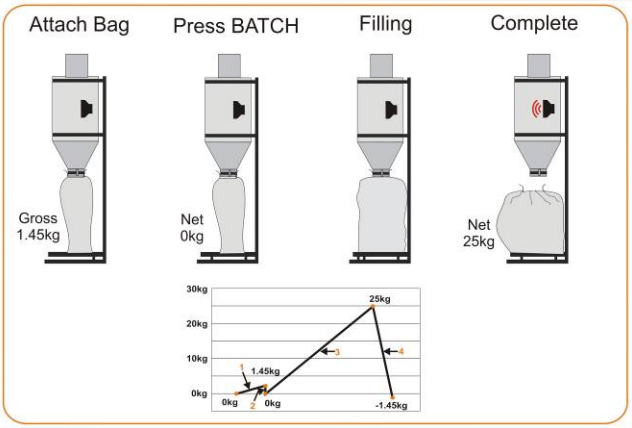
2100 – Data Sheet





- 30,000d @ 0.25 µV/d
- 8 x 350Ω load cells
- Built in serial communications (RS232)
- AC and DC versions
- 3 set points
- Clock calendar
- 27mm high LCD Display with LED backlighting

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

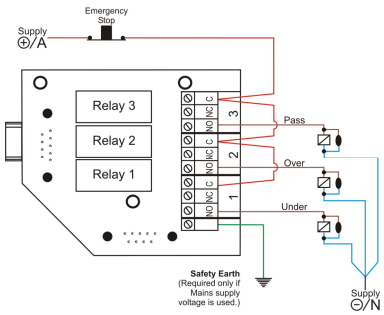
Flexible power options: The unit is available in four powering options, two DC variants, AC and battery.

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

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

Note regarding Trade Approval: V2.5 and lower are Trade Approved to 6,000d. As of July 2012 the 2100 has been modified to V3 hardware and firmware. The 2100 V3 is ***not valid for trade stamping and no longer covered by NSC (S-403) nor OIML (R76)*** *due to the excitation changing from 8V to 8.5V. V3 is non trade and cannot be stamped.*

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.

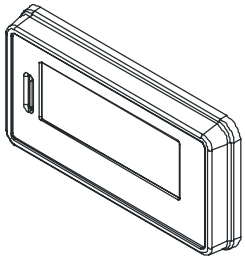
- Three (3) voltage free relay outputs;
- Outputs are independent and isolated;
- Rated to 250VAC and 8A;
- Normally open (N/O) and normally closed (N/C) contacts.

..now that's smart weighing.

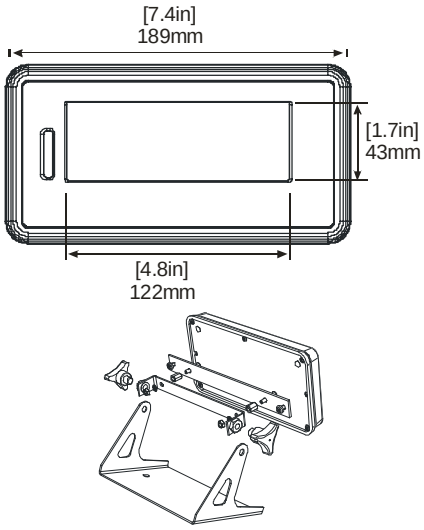
2100 Series Specification Table

		2100 V3
Resolution		Up to 30,000 d, minimum of 0.25µV/d
Approvals		FCC, CE, C-tick,
Zero Cancellation		± 2.0mV/V
Span Adjustment		0.1mV/V to 3.0mV/V full scale
Excitation		8.5V 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 (14 °F to 122 °F), Humidity: <90% non-condensing
Display		LED Backlit LCD with six 27mm (1") 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		Selectable from ± 2% to ± 20% Full Scale
Standard Power Input		9 to15VDC (60mA to 400mA depending on load cells and backlight)
		ON/OFF key with override and Auto-Off software
Variants	**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
Linearity Correction		Five (5) point
Serial Output		RS232 automatic transmit, network or printer outputs.
		Transmission rate: 2400, 4800 or 9600 baud
Assignable Function Keys		1
Range		Single
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
Set points		3
Count-by		1, 2, 5, 10, 20, 50, 100 (Entered in Displayed Weight)
Packing Weight		0.9kg (31 oz)
Optional Mounting		Stainless steel desk mount
		IP65 Stainless steel rear housing with a variety power options

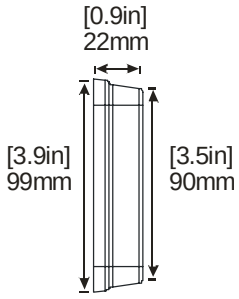
Specifications are subject to variation for improvement without notice. Illustrations are indications only and variation may be evident between products.



Stainless steel bracket



Mounting unit directly on bracket



IP65 stainless steel rear housing