

## INT4-L Specifications

<b>Input connections</b>	6 screw terminals for 4 or 6 wire bridge load cells.
<b>Input Signal</b>	20 bit A/D converter <u>mV range 0-5 to 0-40mV - 0.5mV/V to 4mV/V</u> 100 Megohm input resistance.
<b>Filtering</b>	Adjustable 0 to 25 Seconds. Active filter.
<b>Last digit Round-up</b>	Selectable 1,2,5,10,20,50
<b>User linearisation</b>	Up to 10 points, direct or theoretical calibration.
<b>Front panel controls</b>	Calibration, Tare, Reset, Max/Min, Alarms
<b>Power</b>	100-240 VAC std, 11-30VDC option. 10VA Power burden, max.
<b>Accuracy</b>	+/-0.05% of range
<b>Thermal stability - range</b>	+/- 25ppm/°C
<b>Thermal stability - offset</b>	+/- 30ppm/°C
<b>Analogue output</b>	Optional plug-in 16 bit module Linearity +/- 0.02% of range  <b>0-20/4-20mA into 0 to 500 Ohms</b> Resolution 0.4uA <b>0-10V into loads &gt;600 Ohms</b> Resolution 0.2mV <b>-10 to+10V into loads &gt;600 Ohms</b> Resolution 0.4mV  Accuracy 0.1%of range Stability 50ppm/C  Fully isolated from input and power Fully scalable with digital precision  <b>Special features</b> Forward and reverse action possible Can be set to operate from nett or gross value.
<b>Alarm output</b>	<b>Optional plug-in relay SPST modules</b> 2 Alarms rated 2A 250VAC, SPST 4 Alarms rated 2A 250VAC, SPST Selectable normally open or normally closed  <b>Optional plug-in relay SPDT modules</b> 2 Alarms rated 2A 250VAC, SPDT  <b>Optional plug-in solid state modules</b> 2 Alarms rated 50V 100mA DC.  Adjustable hysteresis In-flight compensation facility. Energise or de-energise on trip  <b>Special features</b> Adjustable timers to set energise and de-energise delays. Can also be set to pulse for applications needing less than 100% duty cycle. In-band and out-of-band alarm function.

	Manual and automatic in-flight compensation. Can be set to operate from nett or gross value.
<b>Serial data output</b>	Optional plug-in modules. RS232 RS485 Addressable On demand or continuous output.  <b>Special features</b> Can include time and date with RTC option fitted. Can be set to operate from nett or gross value.
<b>Digits</b>	6 digits, 14mm high. 7 metres max. viewing distance. 10 readings per second. Variable brightness from front panel.
<b>Digit colour</b>	Red - standard. Green - optional
<b>Scaling</b>	Digital menu-free system, direct or theoretical.  In addition, separate Offset and Scale variables allow you to convert the reading, without affecting calibration.  For example from °C to °F, kg to pounds etc.
<b>Excitation</b>	10V DC up to 120mA, to power input sensor. Ratiometric. Optionally 5VDC
<b>Logic inputs</b>	3 logic inputs, individually configurable for Hold, Reset, Tare, Peak/valley, Nett/Gross, Memory Address  Normally open, NPN or contact closure input to activate.  5V open circuit, 1mA switched current.
<b>Environmental</b>	Storage -20 to +70C Operating 0 to 50C Non condensing. Optional IP67 cover SPC4
<b>Sealing</b>	IP65 standard, IP67 with optional SPC4 cover