

INT4-P Specifications

Input connections	Separate voltage and current input terminals. Isolated excitation.
Input Signal	20 bit A/D converter <u>Current input terminal accepts:-</u> 0-10mA, 0-20mA, 4-20mA - others to order 33 Ohm input resistance <u>Voltage input terminal accepts:-</u> 0-5V, 1-5V, 0-10V 1 Megohm input resistance.
Filtering	Adjustable 0 to 25 Seconds. Active filter.
Last digit Round-up	Selectable 1,2,5,10,20,50
User linearisation	Up to 10 points, direct or theoretical calibration.
Front panel controls	Calibration, Tare, Reset, Max/Min, Alarms
Power	100-240 VAC std, 11-30VDC option. 10VA Power burden, max.
Accuracy	+/-0.05% of range
Thermal stability - range	+/- 25ppm/°C
Thermal stability - offset	+/- 30ppm/°C
Analogue output	Optional plug-in 16 bit module Linearity +/- 0.02% of range 0-20/4-20mA into 0 to 500 Ohms Resolution 0.4uA 0-10V into loads >600 Ohms Resolution 0.2mV -10 to+10V into loads >600 Ohms Resolution 0.4mV Accuracy 0.1%of range Stability 50ppm/C Fully isolated from input and power Fully scalable with digital precision Special features Forward and reverse action possible Can be set to operate from nett or gross value.
Alarm output	Optional plug-in relay SPST modules 2 Alarms rated 2A 250VAC, SPST 4 Alarms rated 2A 250VAC, SPST Selectable normally open or normally closed Optional plug-in relay SPDT modules 2 Alarms rated 2A 250VAC, SPDT Optional plug-in solid state modules 2 Alarms rated 50V 100mA DC. Adjustable hysteresis In-flight compensation facility. Energise or de-energise on trip

	<p>Special features 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.</p>
Serial data output	<p>Optional plug-in modules. RS232 RS485 Addressable On demand or continuous output.</p> <p>Special features Can include time and date with RTC option fitted. Can be set to operate from nett or gross value.</p>
Digits	6 digits, 14mm high. 7 metres max. viewing distance. 10 readings per second. Variable brightness from front panel.
Digit colour	Red - standard. Green - optional
Scaling	<p>Digital menu-free system, direct or theoretical.</p> <p>In addition, separate Offset and Scale variables allow you to convert the reading, without affecting calibration.</p> <p>For example from °C to °F, kg to pounds etc.</p>
Excitation	24V DC up to 60mA, to power input sensor. Optionally 10VDC for potentiometer / slidewire.
Logic inputs	<p>3 logic inputs, individually configurable for Hold, Reset, Tare, Peak/valley, Nett/Gross, Memory Address</p> <p>Normally open, NPN or contact closure input to activate.</p> <p>5V open circuit, 1mA switched current.</p>
Environmental	<p>Storage -20 to +70C Operating 0 to 50C Non condensing. Optional IP67 cover SPC4</p>
Sealing	IP65 standard, IP67 with optional SPC4 cover