

## INT4-L

- ✓ Bright easy to read 5½ digit LED display
- ✓ Highly flexible with a wide range of customisation options
- ✓ Up to 4 alarm set point relays
- ✓ Options for mA or V analogue output
- ✓ RS232 and RS485 communications options
- ✓ Linearisation, to correct for sensor non-linearity



### Specification

| Parameter             | Value  | Unit |
|-----------------------|--|------|
| Display               | 5½ digit red or green LED display with 15mm high digits, plus indicators for alarm set points and programming. |      |
| Sensitivity           | 0.5 to 4.0mV/V.  |      |
| Conversion rate       | 10 readings per second.  |      |
| Accuracy              | ±0.05% of FSD. Allow 30 minutes after switch-on, for thermal stabilisation.                                    |      |
| Thermal stability     | Span ±25ppm/°C, Zero offset ±30ppm/°C.   |      |
| Loadcell input        | 4 wire and 6 wire with remote sensing.   |      |
| Loadcell supply       | Ratiometric, 10Vdc at 120mA.   |      |
| Operating temperature | 0°C to 50°C.   |      |
| Storage temperature   | -20°C to +70°C.  |      |
| Supply requirements   | Options for 11 to 30Vdc or 100 to 240Vac 10VA maximum.   |      |
| Analogue output       | 16bit with options for 4 to 20mA, 0 to 10V, or -10 to +10V.  |      |
| Communications        | Options for RS232, or RS485,   |      |
| Alarm set points      | Options for 2 SPST relays, 4 SPST relays, 2 SPDT relays, or 2 solid state trips.                               |      |

|                           |  |  |
|---------------------------|--|--|
| Logic inputs              | 3 configurable logic inputs, for Hold, Reset, Tare, Peak/Valley, Nett/Gross. |  |
| Special optional features | Real Time Clock, IP67 panel mount cover, Panel mount printer.                |  |

## The versatile INT4-L panel mount loadmeter for strain gauge loadcells

The versatile INT4-L panel mount loadmeter for strain gauge loadcells With its bright easy to read LED display, wide range of options and simple operation the INT4-L is ideal for industrial force measurement applications. There are options available for RS232 and RS485 communications and up to 4 alarm set point relays. Analogue output options are available for voltage and current loop outputs. The meter has logic input terminals that allow for installation of the meter with external panel mount buttons for basic meter functions, like Hold, Tare, Peak/Valley, Net/Gross. We can supply this meter with a ticket printer and real time clock module to provide a paper record of spot readings. If the INT4-L is ordered with a loadcell it will normally be supplied calibrated to read the loadcell in the same force units as the loadcell calibration. A traceable system certificate will be supplied for the loadmeter and loadcell system.

### Order Codes

| Code               | Description   |
|--------------------|---|
| INT4-L-X           | Analogue output: 0=None, ANB=-1-to+10V, ANI=4to20mA, ANV=0to10V   |
| INT4-L-X-X         | Alarm set points: 0=None, AL2=2 relays, AL4=4 relays              |
| INT4-L-X-X-X       | Serial communications: 0=None, 232=RS232, 485=RS485               |
| INT4-L-X-X-X-X     | Display Colour: R=Red, G=Green                                    |
| INT4-L-X-X-X-X-X   | Power supply: AC=100to240Vac, DC=11to30Vdc                        |
| INT4-L-X-X-X-X-X-X | Mounting option: 0=Standard panel mounting, DIN=DIN rail mounting |

 Files

| Type | Title            | Download                 |
|------|------------------|--------------------------|
|      | Printable manual | <a href="#">Download</a> |
|      | Analogue Output  | <a href="#">Download</a> |
|      | Alarm Set Points | <a href="#">Download</a> |
|      | Serial Output    | <a href="#">Download</a> |

**Novatech Measurements Limited**

83 Castleham Road, St Leonards on Sea, East Sussex, TN38 9NT, England.

**Telephone:** +44 (0)1424 852744

**Fax:** +44 (0)1424 853002

**E-mail:** [info@novatechloadcells.co.uk](mailto:info@novatechloadcells.co.uk)