

Function: IDL-INT-L is panel mounting load cell digital process indicators with high efficiency 5 digit red LED displays. It is specifically designed to accept inputs from Load Cells. The display can be preset, or adjusted by the user, to display engineering units. The indicators are 95- 265 Volt AC or 11-30 VDC powered and provided with screw terminals for all connections. The displays can be scaled from -19999 to +99999 full scale and the zero and span and decimal point are all programmed from front panel. The INT-L- has 0.56" digit and has a 10VDC transducer excitation supply. It has a 10 point linearising function which permits correction any for non-linearities in the sensor. Optional Extras include: Analogue Retransmission output, Alarm output and Serial Output.



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**SPECIFICATIONS**

Please note that the following are typical standard ranges. We will manufacture instruments to cater for other ranges too, within certain limitations. Please contact our internal sales department for further clarification.

**INPUTS:**  
05. to 3.5mV/V

**EXCITATION:**  
10v DC up to 120mA

**USER LINEARISATION**  
Up to 10 points

**LOGIC INPUTS**  
TARE, Peak/Valley and RESET

**DISPLAYS:**  
**Display**  
5 digit red LED  
(Optional extra: Green)

**Digit Size**  
14mm 0.56"

**Full Scale Range**  
-19999 to +99999

Scaleable to required engineering unit range

**Decimal Point**  
Programmed from front panel

**SUPPLY:**  
**Power Supply Voltage**  
95 to 265 Volt AC ±10%  
50/60 Hz  
or optional  
11 to 30VDC

**Power Required**  
8 Watts Max

**OUTPUTS (Optional Extras):**  
**Retransmission:**  
4-20mA into 0 to 500 Ohms  
0-10V into loads > 600 Ohms  
-5 to +5V into loads > 600Ohms  
Fully isolated from input and power  
Fully scalable with digital precision  
Forward and reverse action possible

**Alarm Output:**  
2 x SPST Alarms rated @ 5A 250VAC  
4 x SPST Alarms rated @ 5A 250VAC  
Adjustable hysteresis  
Energise or de-energise on trip and normally open or normally closed

**Serial Data Output:**  
RS232 1200 baud output only  
RS422 1200 baud output only  
RS485 Addressable  
DeviceNet Addressable  
Modbus Addressable  
Profibus DP Addressable

**GENERAL:**  
**Accuracy**  
+/- 0.05% of range

**Linearity**  
± 2 digits

**Samples Rate**  
2.0 samples per second

**Operating Temperature Range**  
0 to +50°C

**Storage Temperature Range**  
-10 to +70°C

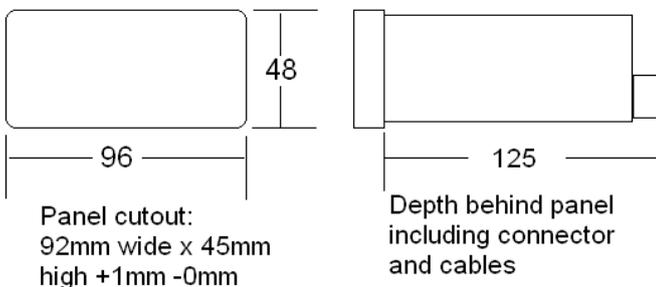
**Operating/Storage Humidity Range**  
0 to 95% RH non-condensing

**Mounting**  
Panel mounting

**Protection Level**  
IP54 standard  
Fascia Panel to IP65 standard  
IP67 with optional SPC4 Cover

**Weight**  
300 gms

**MECHANICAL DETAILS**



**TERMINATION DETAILS**

Terminal	Terminal
1 Input Excitation -ve	14 Analogue o/p -ve
2 Sense -ve (6 wire system)	15 Analogue o/p +ve
3 Input Signal -ve	16 Serial Output } Depends
4 Input Signal +ve	17 Serial Output } on
5 Sense +ve (6 wire system)	18 Serial Output } Data
6 Input Excitation +ve	19 Serial Output } Type
7 Remote Common	20 Alarm 1
8 Remote Tare	21 Alarm 1
9 Remote Peak/Valley	22 Alarm 2
10 Remote Reset	23 Alarm 2
11 Earth	24 Alarm 3
12 Neutral or -ve	25 Alarm 3
13 Line or +ve	26 Alarm 4
Mains or DC powered	27 Alarm 4

**ORDERING DETAILS**

- a) Specify product type, i.e. IDL-INT-L
- b) Give details of power supply, i.e. 240 Volt AC
- c) Specify input type and range, i.e. 0 to 2mV/V

- d) Specify display ranging required, i.e. 0 to 150.0
- e) Specify if any optional extras required, i.e. Green LEDs, Analogue output, type and range, Relays and or Serial Data