| **5 Digit Digital Load Indicator** | **IDL-IL-L** |

Function: IDL-IL-L is a low cost yet highly flexible and easy to use 1/8 DIN scaleable panel mounting load indicator. It is designed for use in instrumentation systems with load cell or strain guage inputs. The indicator comes with a 10 Volt DC excitation voltage as standard. The display can be preset, or adjusted by the user, to display engineering units. The indicators are 95 to 265 Volt AC or 11 to 30 Volt DC powered and provided with screw terminals for all connections.

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SPECIFICATIONS

INPUTS:
4 wire only

DC Voltage
0.5 to 3.5 mV / Volt

Input Impedance
> 10M Ohms

Filtering
Adjustable 0 to 5 Seconds

Linearisation
There is no user linearization available on this model. If required please refer to the model IDL-INT-L

Logic Inputs
TARE and TARE RESET Front panel pushbuttons or remote via screw terminals

DISPLAYS:
Display
5 digit RED LED

Optional Extra:
5 digit GREEN LED

Digit Size
14.2mm   0.56"

Full Scale Range
-19999 to +99999

Scaleable to required engineering unit range

Decimal Point
Programmed from front panel

Last Digit Round Up
Selectable 1, 2, 5, 10, 20 or 50

Front Panel Controls
Calibration, Tare, Reset, Max / Min and Alarms

SUPPLY:
Power Supply Voltage
95 to 265 Volt AC ±10% 50/60 Hz
Optional:
11 to 30 Volt DC

Power Required
4 Watts Max

Excitation
10 VDC up to 120mA

OUTPUTS:
Alarm Outputs:
There are no relay outputs available on this model. If required please refer to either the IDL-IJ-L or the IDL-INT-L

Analogue Output:
There is no analogue output available on this model. If required please refer to the model IDL-INT-L

GENERAL:
Accuracy
+/- 0.1% of range ± 2 counts

Thermal Stability Range
± 100ppm / °C

Thermal Stability Offset
± 50ppm / °C

Operating / Storage Temperature Range
0 to +50°C / -10 to +70°C

Operating / Storage Humidity Range
0 to 95% RH non-condensing
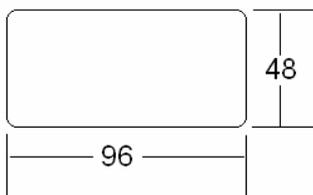
Mounting
Panel mounting

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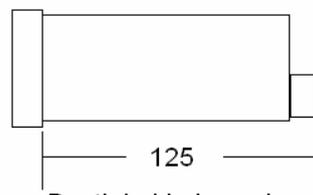Fascia Panel to IP54 standard
IP67 with optional SPC4 Cover

Weight
280 gms

MECHANICAL DETAILS

48

96

Panel cutout:
92mm wide x 45mm high +1mm -0mm

125

Depth behind panel including connector and cables

TERMINATION DETAILS
Terminal
1   Load Cell Excitation +ve
2   Load Cell Excitation -ve
3   Signal +ve
4   Signal –ve and Remote Tare / Reset -ve
5   Remote Tare +ve
6   Remote Reset +ve
7   Not fitted
8   Not fitted
9   Not fitted
10 Not fitted
11 Not fitted
12 Not fitted
13 Earth
14 Power Supply   Neutral / -ve DC
15 Power Supply   Line   / +ve DC

ORDERING DETAILS
a) Give Details of Indicator type, i.e. IDL-IL-L
b) Display Colour – normally RED – optionally GREEN
c) Give details of power supply, i.e. 240 Volt AC

d) Specify input type and range, i.e. 2.3mV/V
e) Specify display ranging (if LD to configure), i.e. 0 to 2000.0