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Indicator cantarire LD-STRAIN



Indicator cantarire LD-STRAIN Producator: LCM Systems LD-STRAIN Load Cell and Strain Gauge Input Large Digit Display

Descriere

LD-STRAIN Load Cell and Strain Gauge Input Large Digit Display

Features :

- Direct connection to strain gauge based sensors.
- Digit heights 57, 102, 150, 200, 300 or 400mm
- Viewing distances from 25, 50, 75, 100, 140 or 200 metres
- Suspension, panel or wall mounting options
- AC or DC powered versions
- Wide choice of analogue, relay or digital outputs
- IP65 sealed

The LD-STRAIN is a large digit display for use with strain gauge bridge based sensors,; including load cells, load pins etc.

Various options are available including, 4 or 6 digit versions, different height digits allowing viewing from up to 200 metres, DC or AC powering and different mounting options.

The digit heights that are available include 57mm (25m viewing distance), 102mm (50m viewing distance), 150mm (75m viewing distance), 200mm (100m viewing distance), 300mm (140m viewing distance) and 400mm (200m viewing distance).

Mounting options available include Panel Mounting, Suspension Mounting (from top of display) and Wall Mounting (from bottom of display).

Power supply options available include 95-265vac, 11-30vdc and 48vac.

Output options available include 4-20mA, 0-10v, ±10v, 2 relay alarms, 4 relay alarms, RS232 or RS485.

The main application for the LD-STRAIN is for simple crane weighing applications, hoist and winch monitoring etc. The various output options available allow for the re-transmission of the display signal or for process control.

Different input signals are available including Serial input (see LD-SERIAL), process input (see LD-PROCESS) or wireless version (see LD-WIRELESS). LCM Systems engineers will be pleased to discuss your specific application requirements with you. They will be able to advise on the correct product selection, options required and advise on suitable sensors, where required.

Specifications	
Power Supply	95-265vac Optional 11-30vdc or 48vac
Power Rating	40 watts maximum
Load Cell Excitation Voltage	5vdc (max. 40mA) or 10vdc (max. 120mA)

Load Cell Bridge Resistance	125ohms using 5vdc excitation, 83ohms using 10vdc excitation
Load Cell Sensivitity	±4mV/V maximum
Input Resistance	>10Megohms
Accuracy	<±0.05%
Zero Temperature Coefficient	<25ppm/°C
Span Temperature Coefficient	<30ppm/°C
Filtering	Selectable time constants from 0-25 seconds
Display Update Rate	10 readings per second
Internal Resolution	1 part in 400,000
Display Range	4 digit version: -1999 to +1999 6 digit version: -199999 to +199999
Connections	All user/installation connections using detachable field screw terminals
Case Material	Heavy Duty PVC
Storage Temperature	-20 to +70°C
Operating Temperature	0 to +50°C (internal heater option to allow operation to -25°C)
Environmental Sealing	IP65 (optional cover increases sealing to IP67)

Specifications