

## LD5218i & DJB

Convert regular load cells into 'digital' ones



The digital junction box working in conjunction with the weighing terminal LD 5218i enhances the weighbridge performance offering load cells operational analysis and advance warning of load cell failure. The digital junction box is designed to connect analogue load cells, and to offer the performance and the advantages of a digital load cell configuration. It contains all transducer electronics to excite the strain gauge, amplify, filter and convert the analogue signal of each load cell to a digital form. In effect each channel turns an analogue loadcell into a "digital" one. The LD5218i is also a compact, powerful alphanumeric terminal, designed for numerous weighing applications, with user friendly configuration and operation, hardware and software reliability, and legal-for-trade accuracy in an attractive enclosure ensure high performance to meet the most demanding needs.

**Competitive Advantages:** One of the main advantages of the system is that load cells beginning of failure cycle, can be detected immediately, avoiding costly downtime or product waste. Moreover truck axle weighing assist in overweight control for current truck fleet. The system is also keeping record of time and date of possible axle over-weights (peak holding). All these features are applicable to pit mounted and surface mounted weighbridges with 4 m horizontal entry ramps. May combine under the same weighbridge platform different brands and capacity load cells.

## Solutions

<i>Features</i>	<b>LD5218i &amp; DJB</b>	<b>LEWIS '09 &amp; DJB</b>	<b>LEWIS '09 Super Inspector</b>
Convert analogue signal to digital	✓	✓	✓
Quick system calibration	✓	✓	✓
Dead load shift analysis	✓	✓	✓
Axle weighing for overweight control	✓	✓	✓
Peak hold memory	✓	✓	✓
Advance warning on loadcell failure	✓	✓	✓
Embedded PC with software		✓	✓
Multilingual interface		✓	✓
Automatic weighing surveillance camera			✓



### **LD5218i & DJB**

The digital junction box working in conjunction with the weighing terminal LD 5218i enhances the weighbridge performance offering load cells operational analysis with early warning system.



### **LEWIS '09 & DJB**

LEWIS'09 weighbridge terminal is specially designed for industrial environment use. The system is consisted of a LD5218 weighing indicator and an embedded Windows PC running LEWIS software. Combined with the digital junction box, this systems unites the managerial possibilities of the LEWIS 09 terminal with advanced load cells operational analysis.



### **LEWIS '09 Super Inspector**

Super Inspector is an advance system for ultimate weighbridge control. The system is consisted of LEWIS'09 weighing terminal, two outdoor high resolution cameras, one digital junction box (DJB ) and a printer. The DJB provides unique capabilities for fleet management such as (1) truck axle weighing for overweight control (2) improved maintenance by calculating the life-span of the load cells and proving advance warning of load cell failure (3) keep record of time and date of possible over-weights (peak holding)