## IPE100, material flow management solution on weighbridge

The IPE100 is a weighing terminal with advanced functions dedicated to vehicles weighing management. It offers a powerful operator interface with graphic screen and keyboard with customizable keys depending on the application. The IPE100 is able to run up to 2 weighbridges and offers:

- In/Out vehicle management, weighing in 1 or 2 passes.
- Database management for customers, materials and vehicles
- Complete programmable weighing printouts
- Traffic lights management

It includes also a data storage device and several interfaces for peripherals and accessories connection.

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### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Load cells</th>
<th>Mounting kits</th>
<th>Indicator</th>
<th>Accessories</th>
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</thead>
<tbody>
<tr>
<td>CB50X</td>
<td>Rated capacity (C.N.)</td>
<td>5 t - 60 t</td>
<td>Self-aligning kit in zinc-plated steel</td>
<td>CB50X</td>
<td>8 digital load cells wiring</td>
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<tr>
<td>CB50X-DL</td>
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<td>20 t - 60 t</td>
<td>Integrated anti-rotating device</td>
<td>CB50X-DL</td>
<td>Class III</td>
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<tr>
<td>LPM/LPM-X</td>
<td></td>
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<td>Version for 4, 6 or 8 load cells wiring</td>
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<tr>
<td>LPS</td>
<td>CB50X</td>
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<td>DLCJB-A</td>
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<td>IPE100</td>
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</table>

**Accuracy class**: Class III

**Combined error (% C.N.)**: 0.013

**Duty cycle (LPM)**: 10 000 d

**Sensitivity**: 2 ±0.1 %

**Digital output**: - RS485 1 RS485

**Construction**: Stainless steel

**Protections**: Sealed, IP68

**Certifications**: ATEX, OIML, IECEx

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Vehicle weighing

Solutions for weighbridges
Proven performance in weighbridges

More than twenty years experience supplying the major weighbridge manufacturers has enabled us to build up a range of products renowned for their reliability. With several tens of thousands of units installed, our compression load cells are used as a reference throughout the world.

A COMPREHENSIVE RANGE OF SOLUTIONS:

In the heart of our range are the new compression load cells CB50X, in analog version, and CB50X-DL in digital version. These latest generation load cells incorporate the most recent technological innovations and show outstanding metrological and robustness properties.

CB50X:
A simple, reliable and high performance solution...

The CB50X is the result of our long-time experience and has a deliberately simple design to guarantee long-term reliability. The weight to be measured is thus applied onto the load cell directly without using any mobile mechanical elements.

- stainless steel construction, sealed by welding
- calibrated signal output to limit adjustment down time
- load cell with self-centering spherical bottom allowing for deck movement
- very compact design, low profile, identical for all capacities from 5 to 60 t
- capacities: 5, 10, 20, 30, 40, 60 t
- approvals: OIML C4, ATEX, FM, IECEx

CB50X-DL:
Enter into the era of digital weighing...

The CB50X-DL combines performances of the CB50X load cell with the advantages of a digital solution:

- insensitivity to electrical disturbances
- communication over long distances
- independent diagnostic trouble shooting of each load cell
- digital corner adjustment, faster and more accurate
- standard RS485 communication bus, fast protocol, easy to implement
- complete surge protection with DICJB junction box
- capacities: 20, 30, 40, 60 t
- approvals: OIML C4, C5

LPC, LPS, LPM:
To make assembly easier with our kits...

Our assembly kits for use in weighbridges are designed to provide reliability and security for the most demanding applications.

We have specially designed these accessories to:

- limit disturbing forces
- maintain the metrological performances of load cells
- limit the installation cost while assuring fast and efficient assembly
- enable existing systems replacement

LPC, LPS, LPM:
Hermetic O-ring to prevent dirt accumulation

Cable against rodents

Welding assembly for perfect watertight

MOISTURE
Hermetically welded IP68

HEAT
Temperature effect 100 % compensated

COLD
Temperature effect 100 % compensated

CORROSION
Load cells entirely made of stainless steel

LIGHTNING
Electrical protection Standard on CB50X-DL
Optional on CB50X

RODENTS
Optional steel armored cable

Harsh environments:

Our load cells of the CB50X range demonstrate the ability to stand up to every climate or industrial environments.