

Load Cells - The heart of any weighbridge
FORCE SERIES DIGITAL Compression Load Cells

Libra are the only UK supplier of Force Digital C6 Certified Load cells, that could save you over £100,000 Per Year. The most accurate and reliable, loadcells available. Here's how:



Weighing Accuracy. PROFIT or LOSS?

Cost of Goods	GBP £ 100 Per Tonne
Weighbridge error	30Kg
Weighing's per Day	50
Weighing's per (20 Day) Month	1,000
Monthly Loss.	GBP £ 3,000
Annual Loss.	GBP £ 36,000

A Higher Cost of Goods:	GBP £ 250 Per Tonne.
Monthly Loss GBP	GBP £ 7,500
Annual Loss GBP	GBP £ 90,000



Don't let all your hard work and margins be compromised by weighing errors.

The above is based on the allowable errors of a New Trade Approved Weighbridge. The Force Digital load cells, have no errors and have 6,000 division accuracy, compared to most suppliers 3,000 division accuracy. That's 50% accuracy difference. 6 Year Standard Guarantee, 10 Year optional Guarantee.

Most weighbridges use load cells to OIML C3, that's 3000 Divisions accuracy. The FORCE load cell uses OIML C6 That's 6000 Divisions much higher accuracy.

Therefore, a C3 load cell will allow the weighbridge to measure 60,000kg in 20kg increments. The error allowed is up to 3 Divisions at full load, that's 60Kg.

The FORCE load cell with C6 will allow down to 10Kg on a 60,000 Kg weighbridge, we can even split weigh up to 30 Tonnes x 5kg. However the actual error due to the Digital Compensation should be Zero. The above scenario should never occur with our FORCE load cells. Even just looking at the allowable error of 30Kg on a competitors loadcell, the above explanation, is quite astounding. From experience working on other weighbridges, many have weighing errors worse than the 30Kg allowance, then it gets really scary. Don't let yours be one of them.

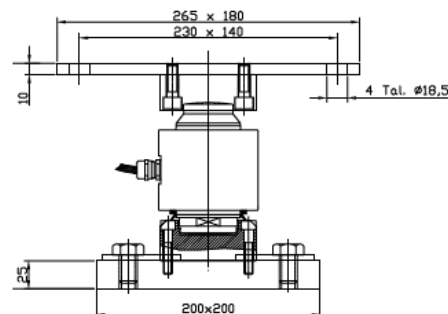
Losing nearly GBP £ 100,000 per annum, as some companies do, can be devastating.

The Force Load cell will keep your weighbridge accurate at all times, with no weighing errors. Plus a much higher accuracy increment that only a C6 - 6,000 Division load cell can provide. We are often asked. Why don't all weighbridge suppliers use higher accuracy 6,000 division approved load cells? Answer, it takes many years in R&D to develop and test to this peak standard, and many setbacks along the way. The loadcells are then scrutinised by the National Measurement Office of Legal Metrology, and have to pass many tests, to be accepted and accredited with OIML R60.

If they could supply them they would. After all the FORCE load cells are the Rolls Royce of Load Cells.

In a nutshell, when you walk through the yard, and see the nice new shiny weighbridge sat there. Will you be thinking, I wonder how much we lost this Month ? If you dont insist on C6 Accuracy Loadcells, you most certainly will be.

- Fully Stainless Steel
- Fully welded
- Protected against humidity IP-69K (DIN40050-9)
- OIML 6,000 Divisions
- Software adjustable
- Plug & Weigh System
 Calibrated from factory
- Gas discharge Lightning Protection



Lightning protection is built into the load cells with Siemens gas discharge inhibitors. Mechanical anti rotation is built into the restraint mounting systems, to protect the loadcells from spinning and side load forces, when vehicles brake heavy on the weighbridge.

Digital Compensation. Each FORCE Load cell constantly measures temperature change, and other factors, then automatically adjusts those to produce accurate readings in all conditions.

Pre-emptive Damage Detection The FORCE load cell can warn the operator of any inconsistencies before complete failure. This gives time to allow correction, before the weighbridge fails.

Built in Monitoring. The FORCE loadcell can determine, when the factory set peripherals are not within tolerance. It will notify the terminal automatically, as to which load cell or load cells are affected. This could be something simple like a foreign object under the weighbridge etc.

All the above unique, built in factors are simply there to ensure you maintain accurate weighing all the time, every time. Looking after your profits.

**Over 70% of any problems, downtime repairs etc. are due to load cell malfunctions.*

The FORCE (1) or Force (2) Digital Load cells eliminate that problem due to the quality of construction. In fact, we don't just say it, we Guarantee it.

Peace of mind Guarantees.

- The FORCE (1) and (2) load cells are Guaranteed against breakdown for 6 Years. (10 year or Lifetime options)
- The FORCE load cell is also Guaranteed against Lightning damage for 6 Years. (10 year or Lifetime options)
- Ask our competitors for the same Guarantee, you will probably not get the same answer.

Junction Box

Tropicalised Marine IP68 and Condensation Free
 Built in gas dischargers, to protect against lightning.

**Force Series 2 Loadcells require no junction box*

