ENGLISH  ENGLISH  ENGLISH  ENGLISH

Platforms installation manual

version 1.01

SYMBOLS

Here are the symbols used in the manual to draw the reader's attention:

Pay particular attention to the following instructions.

Further information.

WARRANTY

24 months from the date of the delivery note. Warranty covers only failures of defective components (due to construction defects or defects in materials) and includes replacement or repair of the components and related labor costs.
Warranty is automatically forfeited in the event of:
- tampering, deletion, removal of the identification label and/or serial number of the product
- misuse, transformation, alteration, repair of products not carried out by Laumas personnel

Laumas provides a 1-year warranty from the date of the delivery note on defects in material or manufacture of the battery.

GUIDELINES FOR PROPER DISPOSAL

This symbol on the product or packaging indicates that:
- This is electrical/electronic equipment and cannot be disposed of as municipal solid waste, but must be delivered to a recycling center
- Improper use or disposal can pollute the environment or damage human health
- Non-compliance with these guidelines will be penalized in accordance with the regulations in force in the country of destination
- It is recommended to dispose of the packing and packaging as required by local regulations

TABLE OF CONTENTS

WARNINGS

The platforms must not be exposed to sources of heat with a higher temperature than the operating temperature of their components (please refer to the technical documentation of the items in use).

Position the material on the loading plate without dragging it in order to reduce the risk of producing sparks.

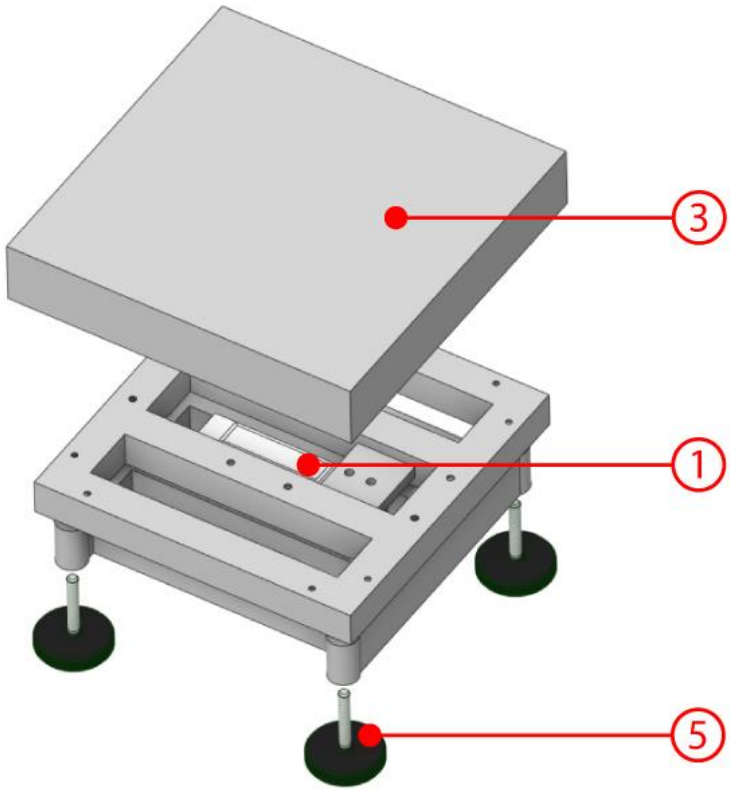
Do not use in places with a risk of high radio frequency levels, electromagnetic waves, optical and ionizing radiation, ultrasounds, adiabatic compression, exothermic reactions, lightning.

Do not install in places with a risk of explosion (except for specific versions for which the specific documentation needs to be requested).

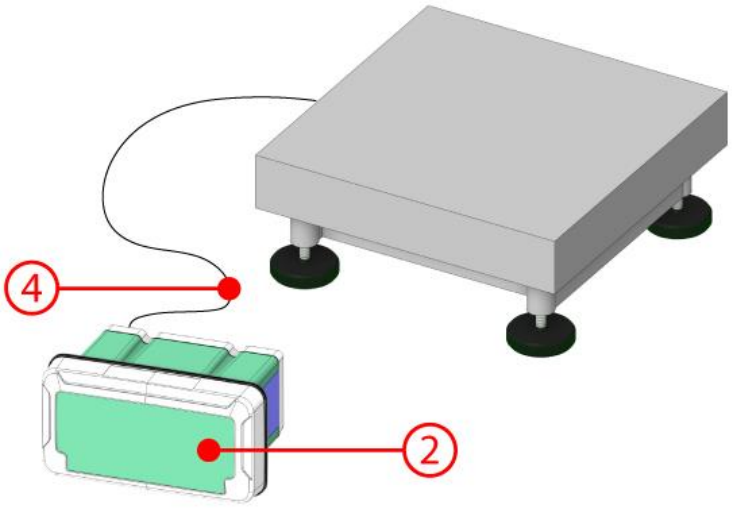
PARTS IDENTIFICATION

SINGLE LOAD CELL PLATFORMS

The connection between the load cell and the weighing instrument is direct, without the aid of a junction box. The load cell is reached by lifting the loading plate.



1. Load cell
2. Weighing instrument
3. Loading plate
4. Load cell cable
5. Height-adjustable feet

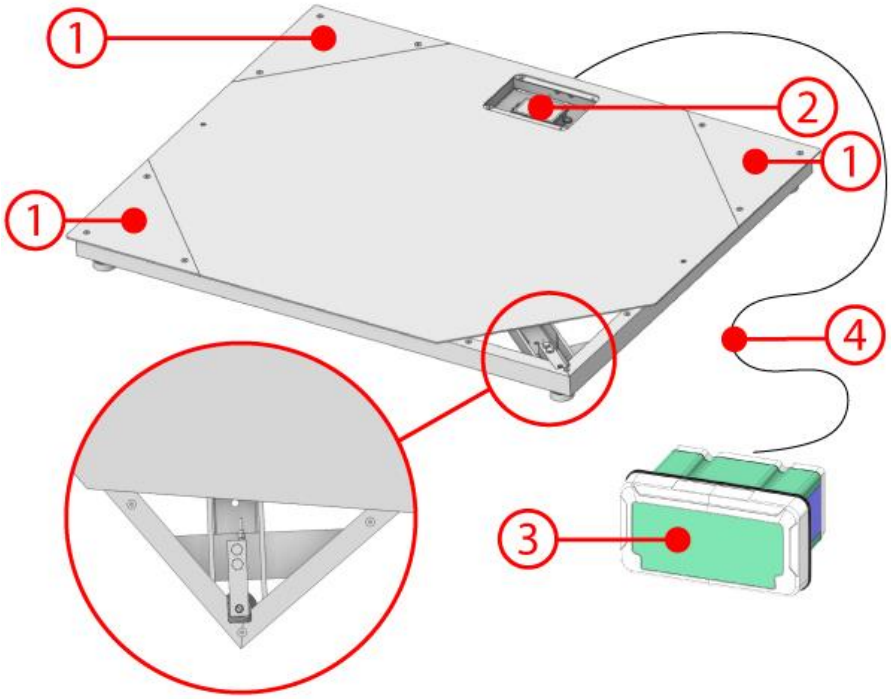


4-LOAD CELLS PLATFORMS

On 4-load cells platforms the connection between the load cells and the weighing instrument is made through a junction box. The height of the platform is adjustable by means of the 4 feet at the corners.

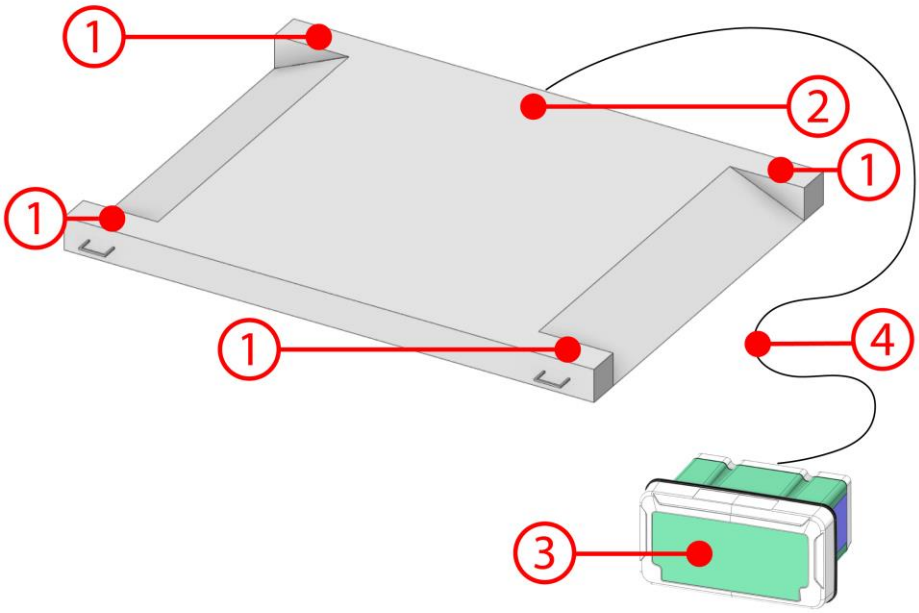
On platforms with inspectable compartments, the load cells and the junction box are reached by removing the covers at the corners and on the side.

1. Load cell
2. Junction box
3. Weighing instrument
4. Junction box output cable



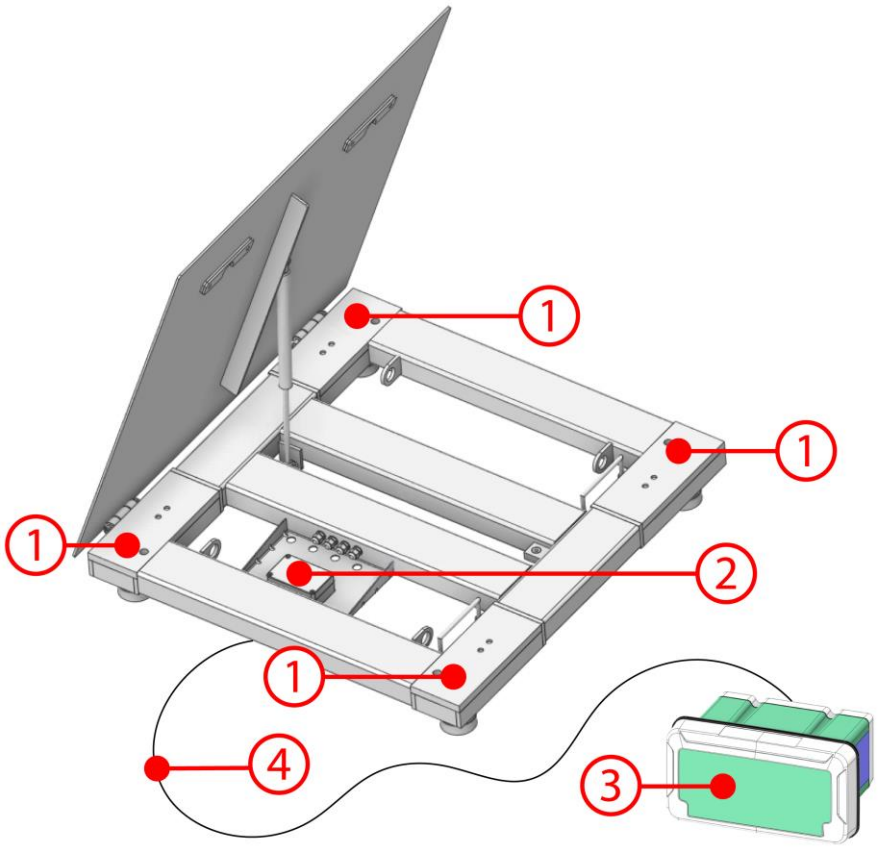
On platforms with no inspectable compartments, the load cells and the junction box are reached from the bottom of the platform.

1. Load cell
2. Junction box
3. Weighing instrument
4. Junction box output cable



Some platforms provide access to the junction box through a loading plate that can be raised with a gas strut; the load cells are reached from the bottom of the platform.

1. Load cell
2. Junction box
3. Weighing instrument
4. Junction box output cable



For more information, please refer to the technical documentation of the single platform.

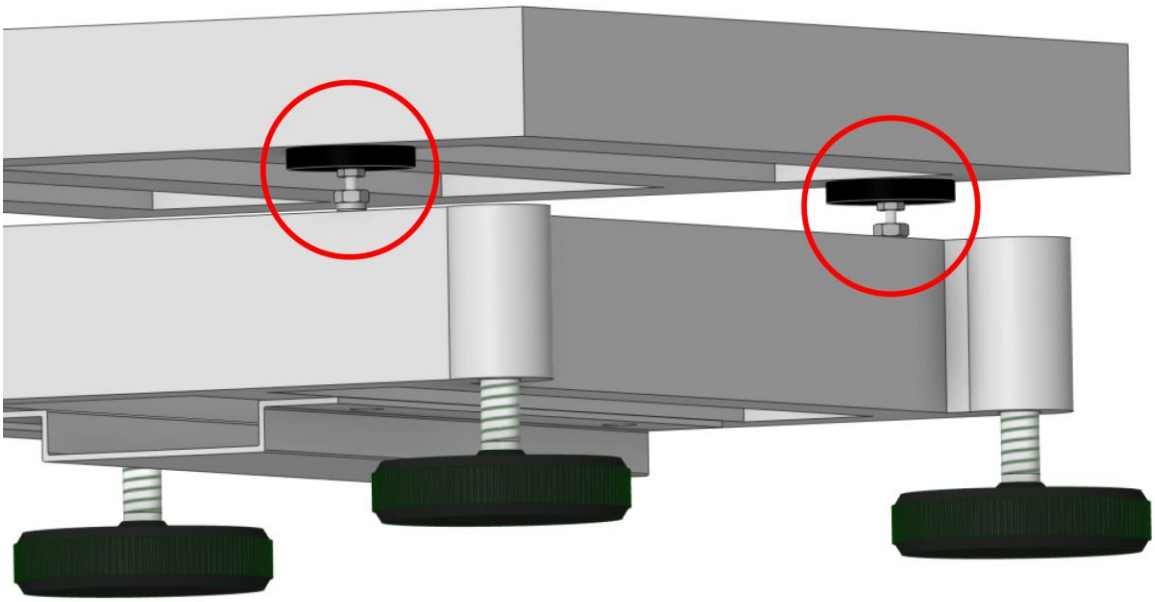
INSTALLATION

Position the platform where the following conditions can be observed:
- flat and level bearing surface
- stability with no vibration
- no aggressive vapors or powders
- moderate temperature and humidity (please refer to the technical documentation of the items in use)

Installation procedure:
- remove the blocks or the safety screws for transportation from the platform (when present)
- adjust the height by screwing/unscrewing the feet and level the platform with the aid of a bubble level
- secure the position of each foot with the tightening nut on the screw (when present)

At the end of the procedure all the feet have to stand evenly and ensure the platform is perfectly flat.

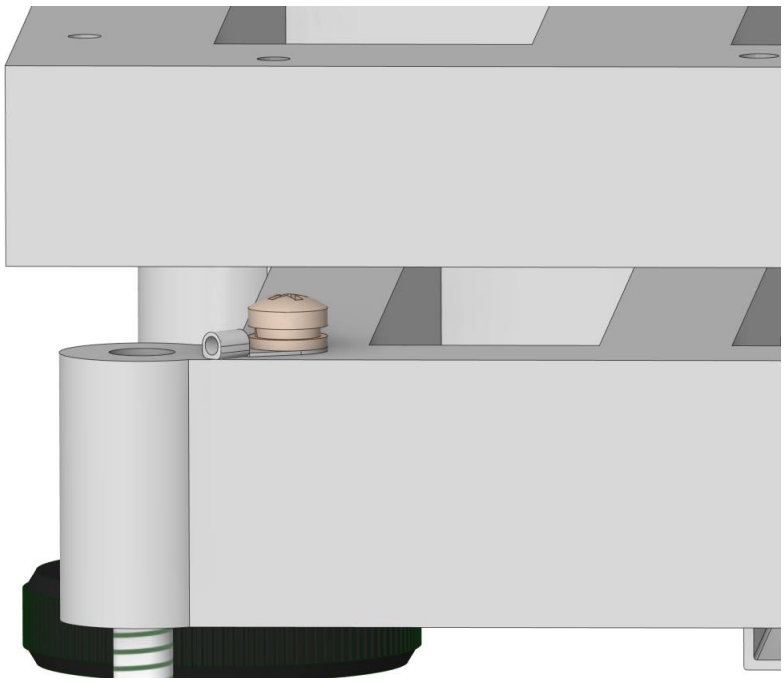
- the leveling process is important in order to ensure the stability and functionality of the platform
- before transporting the platform, insert the blocks or the safety screws (when present)



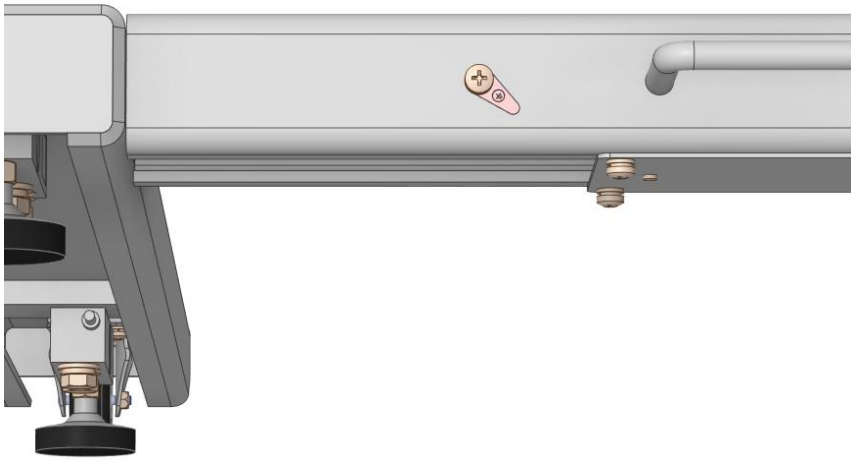
EARTHING

If the platform has to be earthed, connect an earth cable to the frame by means of the eyelet (when present). The eyelet can be in one of the positions shown:

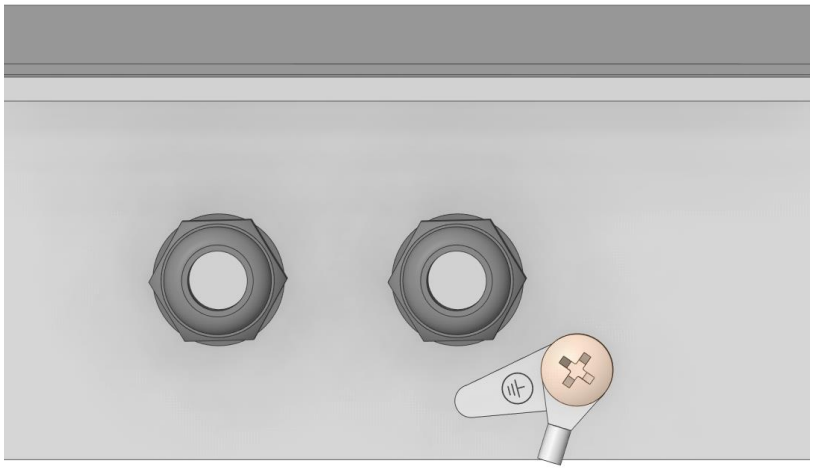
By one of the safety screws for transportation



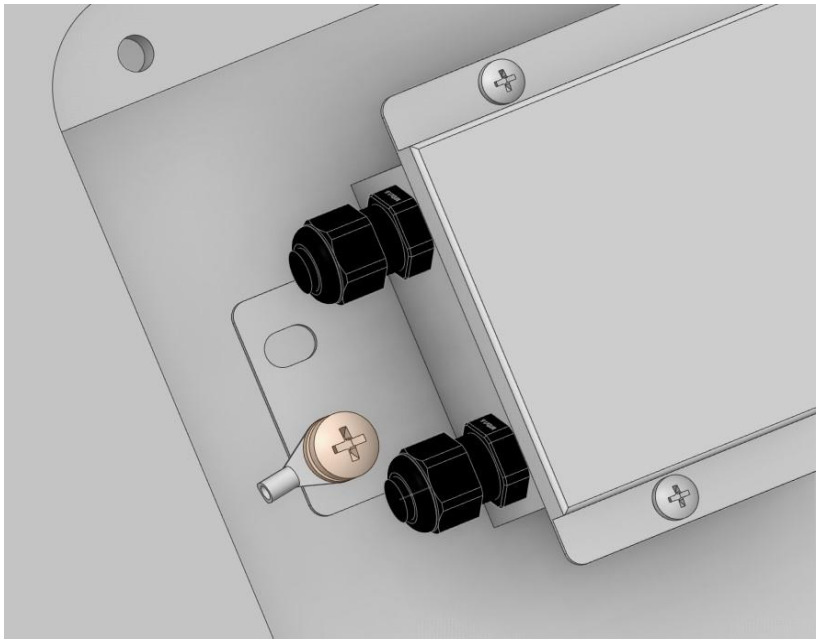
Near the handle



Close to a load cell



Near the junction box fixing screw



Earthing is essential in order to avoid electrostatic discharge, especially when working in critical places such as, for example, where there are plastic residues or powder.

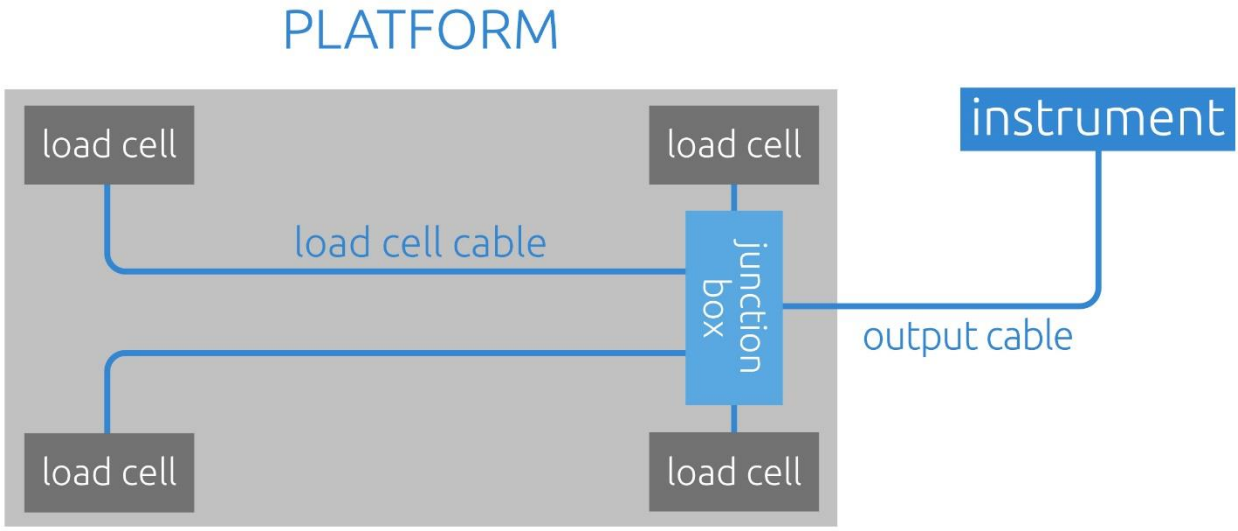
On some platforms the loading plate is isolated from the frame: always check for electrical continuity between them and if necessary earth the platform's loading plate as well.

The earthing eyelet is supplied only with some platform models.

ELECTRICAL CONNECTIONS

- Single load cell platforms: connect the load cell cable to the weighing instrument; the number and colors of the cable's wires may vary (please refer to the technical documentation of the items in use)

- 4-load cells platforms: connect the 4 cables of the load cells to the junction box (the number and colors of the cable's wires may vary); connect the junction box output cable to the weighing instrument (please refer to the technical documentation of the items in use)



4-load cells platforms are supplied already wired; the junction box output cable could be positioned inside the box itself.

EQUALIZATION

Equalization (for platforms with 4 load cells only) enables equalizing the responses of the load cells, correcting differences in rated output.
The platforms are supplied already equalized; if the responses of the load cells are different to each other, the equalization procedure should be repeated.

For more information about the equalization procedure, please refer to the documentation of the junction box in use.

CALIBRATION

- If the nameplate data of the load cells are not known, calibrate with sample weights
- If the nameplate data of the load cells are known, perform theoretical calibration. Check the theoretical calibration: if it is not correct, then correct the indicated weight by calibrating with sample weights

For more information about the calibration procedures, please refer to the documentation of the weighing instrument in use.

MAINTENANCE

- Clean the loading plate regularly with a damp cloth to avoid the accumulation of dust
- Regularly check the earthing of the platform
- Using a sample weight, regularly check the weighing system works properly

REPLACING A LOAD CELL

In order to replace a load cell you need to locate the load cell and the junction box if there is one (see section **PARTS IDENTIFICATION**).

Procedure for replacing a load cell:

1. disconnect the load cell cable from the weighing instrument (single load cell platform) or from the junction box (4-load cells platform);
2. remove the screws supporting the load cell;
3. remove the load cell and replace it with one of the same model and capacity;
4. connect the new load cell to the weighing instrument (single load cell platform) or to the junction box (4-load cells platform).

On completing replacement you need to repeat:

1. installation (see section **INSTALLATION**);
2. equalization (for platforms with 4 load cells only, see section **EQUALIZATION**);
3. calibration (see section **CALIBRATION**).

On our website www.laumas.com there are videos on the guidelines for correct installation of weighing systems and video tutorials on configuring our transmitters and weight indicators.

All Laumas product manuals are available online. You can download the manuals in PDF format from www.laumas.com by consulting the Products section or the Download Area.
Registration is required.

Think about the environment before you print!
CERTIFICATION OF THE ENVIRONMENTAL MANAGEMENT SYSTEM
in accordance with UNI EN ISO 14001.
Laumas contributes to environmental protection by saving on paper consumption.