

CPD-M DIGITAL LOAD CELL



*Innovation, quality and
reliability guaranteed*



Digital load cell CPD-M model

The CPD-M load cells are designed and produced entirely by Coop Bilanciai which, thanks to its acknowledged high level of technological expertise on weigh bridges, of which the load cell is an essential part, they are designed according to their specific use with extremely reliable results for the entire weighing system.

In 1997, after the success achieved with the range of CPR-M model analogical cells, Coop Bilanciai entered the digital era with the innovative CPD-M range, load cells using digital technology.

Designed in collaboration with prestigious Engineering institutes and universities, perfected by the company's Research and Development sector and approved by legal measurement in compliance with the OIML R 60 recommendations up to 6000 divisions, in accordance with the NTEP regulations, they are covered by international patents (MO 2003A00013 – EP 163194 – US7151230 US7361851)



The calibration data for each load cell in the digital version are **memorised in the electronic memory**, thus **facilitating** calibration, the search for faults, maintenance and repair.

The cell body is made in **17-4 PH stainless steel**, a material with high technical characteristics, used in saline environments, where **high corrosion-proof characteristics are required**.


The **protective casing** is also made of a highly corrosive-proof stainless steel.

Electrical connections are via a **watertight IP68/69K stainless steel connector** that aids installation and any necessary maintenance by optimising cable length.

A latest-generation electronic board with a

high resolution and stability analogical/digital converter is housed inside the load cell, with an extremely sophisticated programming and control logic for:

- **continuous diagnostics** on the status of each system component, allowing the immediate identification of any parts with functioning irregularities
- Carrying out **functional checks on the status of the instrument** and each load cell via modem directly from the maintenance service department, thus reducing costs and intervention times

Coop Bilanciai has a wide range of **ATEX-certified**  solutions for weighing installation that can be installed in hazardous areas.