BILANCIAI
OUR STORY BUILDS YOUR INNOVATION

DD700

WEIGHING TERMINALS AND CONTROL UNITS

- **SIMPLE**
- **INTELLIGENT**
- **POWERFUL**

BILANCIAI GROUP

DD700

WEIGHING TERMINALS AND CONTROL UNITS

A SIMPLE AND POWERFUL RANGE

The weight indicators in the Coop Bilanciai **DD700** series have been **designed to offer high performance with the utmost ease of use.**
Thanks to the multichannel communication system, it enables easily managing two scales from a single terminal in order to improve productivity.

The **multifunction keypad** makes the device easy to use, offering a fluid experience. In addition, you can connect a USB keyboard for fast data entry. **Compatibility with analogue and digital load cells means it can be used in many applications, providing detailed diagnosis and reporting any malfunctioning, ensuring trouble-free operation.**

Thanks to the **high-speed converter card** and the **advanced weighing filter, DIGITAL FIR**, weighing is fast and precise.

Whether you work in industry, logistics or the food sector, DD700 terminals can meet your specific needs.

THE COMPLETE RANGE

DD700
(DESKTOP VERSION)

DD700ic
(INDUSTRIAL VERSION)

SPEED

Thanks to the possibility of completely configuring the update speed and the DIGITAL FIR filter, **DD700** offers full customisation to adjust to applications and ensure fast and precise weighing results, regardless of the environmental conditions.

TRACEABILITY

The terminals in the **DD700** range offer advanced features that allow tracing each weighing in detail, with the possibility of adding codes and descriptions. Each weighing can be traced with a generic 8-character code and a 6-digit goods code with a 20-character description.

Thanks to exporting the **weighings to a CSV file**, the **DD700** terminals simplify weighing management and analysis for **accurate traceability** of the weighing operations.

CONNECTIVITY

The **DD700** terminals are equipped with several connection options to ensure complete data management:

- **x1 RS232**
- **x1 RS232/RS485/RS422**
- **x1 USB-Host for USB keyboards and memory sticks**
- **x1 USB-Client for connecting to a PC**
- **x2 Digital inputs**
- **x2 Digital outputs**

Thanks to the **USB** connection and the **Ethernet TCP/IP** network expansion card, it is possible to connect the terminal directly to a PC, simplifying data transfer and system configuration.

You can print out **custom labels and receipts**, improving the efficiency of the weighing process.

In addition, you can connect **bar code and RFID readers** for fast data acquisition.

The 2 digital inputs and 2 digital outputs enable connecting to external devices such as **push-button panels, semaphores and solenoid valves** to further automate processes and improve operational efficiency.

DD700 is particularly suited to being integrated in an industrial environment. The expansion cards for **the analogue output**, 4-20mA/0-10V, 8 inputs and 8 outputs, and the **PROFIBUS, PROFINET and ETHERNET/IP** fieldbus cards simplify connecting the terminal to a PLC.

DD700i
(IP69K VERSION)

DD700
(RACK VERSION)

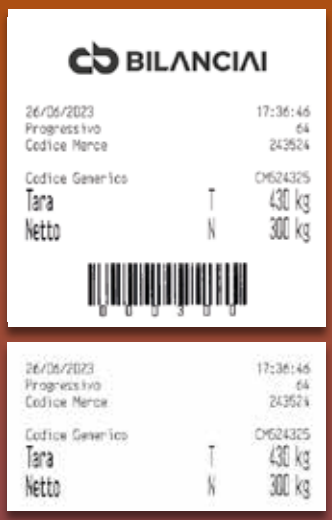
DD700 SELF
(PUBLIC WEIGHING MACHINE WITH COIN MECHANISM)

ONE SOFTWARE FOR EVERY NEED

The **DD700** range is perfect for industrial applications, offering a vast range of standard functions to be adapted to a vast range of sectors and applications:

Simple weighing

The single weighing software offers you the opportunity to make single weighings quickly and precisely.
The sum weighing function **allows you to make multiple weighings in sequence and manage the totals without unloading the scale between one weighing and the next, setting the net weight to zero after each operation**.



Piece counting

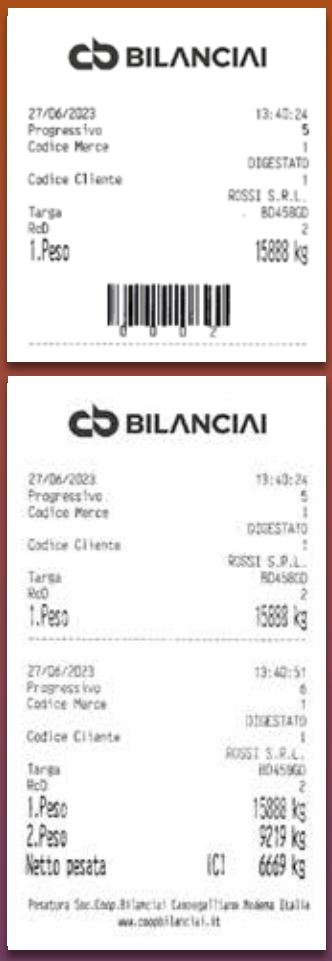
The piece counting software lets you precisely count items based on their weight. This function is especially useful when you have to manage inventories, fill in orders or check production.
Thanks to the possibility of being able to connect multiple scales to a single terminal, you can use a smaller sized scale to weigh an object, while the larger sized scale manages the actual count.
It is moreover possible to link the goods code with the mean weight of the piece, a Tare, and recall it from the bar code to speed up weighing operations. By combining two scales you can obtain accurate results and improve the productivity of the counting operations.

Packing List

The Packing List software is designed to permit simultaneously carrying out cumulative weighings and weighing lists. This feature lets you make lists of weighings, **even by different people simultaneously.**
Each weighing is recorded separately, making it possible to print out the related lists of the weighings with the related totals at the end of the operation.

Double weighing

The double weighing software is ideal for transport vehicle in and out operations. It **lets you record and accurately check the weights before and after loading or unloading vehicles, providing reliable data for logistics management**. It is possible to calculate the weight of the goods by weighing twice, or calling up predetermined weights from the vehicle archive. Printing out the weighing ID on a bar code allows recalling the first weighing via an optical reader, speeding up the weighing operations and avoiding errors.

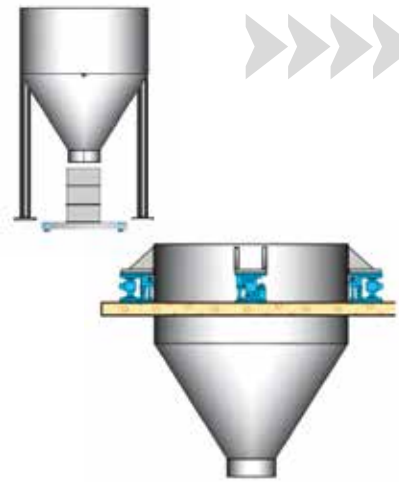


Weight checking

Thanks to the coloured LED bar of the **DD700i** IP69K and the weight checking function, **you can determine whether the weight of the product on the scale comes within a pre-established range of values and carry out filling by watching the LED bar**. It is possible to pair the weight range with a specific goods code and recall them via the bar code. The weight limits can be expressed by weight or percentage.

Batching when loading and unloading

The Loading and Unloading Extraction programme enables one-component batching at two speeds. Thanks to the digital outputs it is possible to manage solenoid valves or other devices. Through more advanced configurations it is possible to manage the fly weight, ejectors and recall the formulas through archives and hot keys.



DD700 - DD700ic

WEIGHING TERMINAL AND CONTROL UNIT

Declaration of Conformity

CE metrological approval (Directive 2014/31/EU)

Certification OIML R76-1

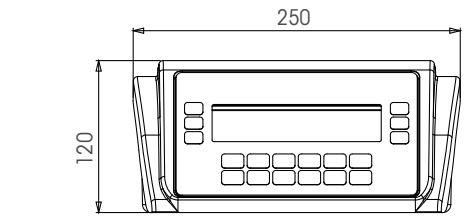
Stainless steel

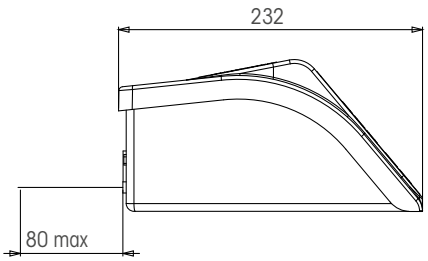
DD700 and **DD700ic** are ideal for desktop installation or wall mounting. The IC version made of stainless steel is recommended when solid impact protection or stacking are required. All the peripherals are easily accessible, permitting easy installation.

DESKTOP VERSION

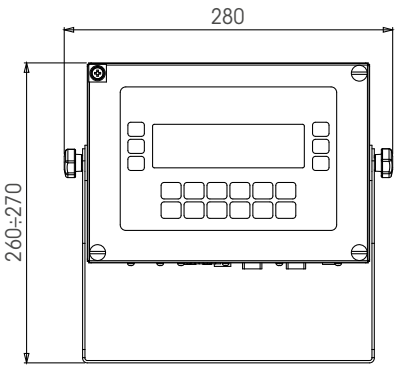
DD700IC INDUSTRIAL VERSION

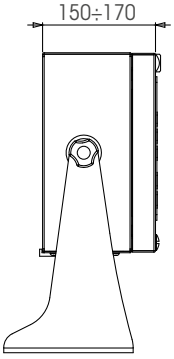
DD700 ABS DESKTOP VERSION





DD700ic - INDUSTRIAL VERSION





DD700i IP69K

WEIGHING TERMINAL AND CONTROL UNIT

Declaration of Conformity

CE metrological approval (Directive 2014/31/EU)

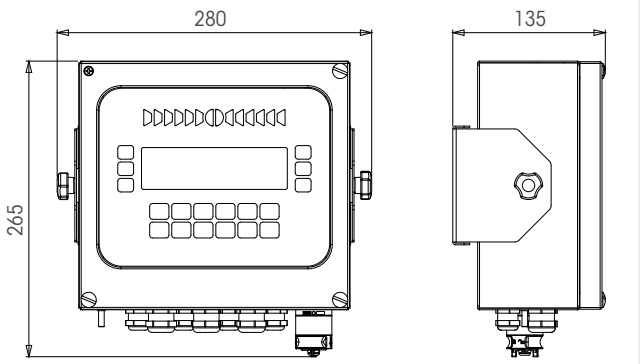
Certification OIML R76-1

Stainless steel IP69K

DD700i is IP69K certified, offering the utmost protection against water and dust.
Ideal for industrial environments with the greatest hygienic requirements, DD700i can be washed with jets of water at high pressure and temperature.
The optional three-colour LED bar combined with the weight checking software allows classifying and checking the correct weight of the weighed products by sight.
Thanks to the IP69K USB port it is possible to securely export the weighings in CSV format to a USB stick.

DD700I IP69K VERSION

DD700i - IP69K VERSION



DD700 RACK

WEIGHING TERMINALS AND CONTROL UNITS

Declaration of Conformity

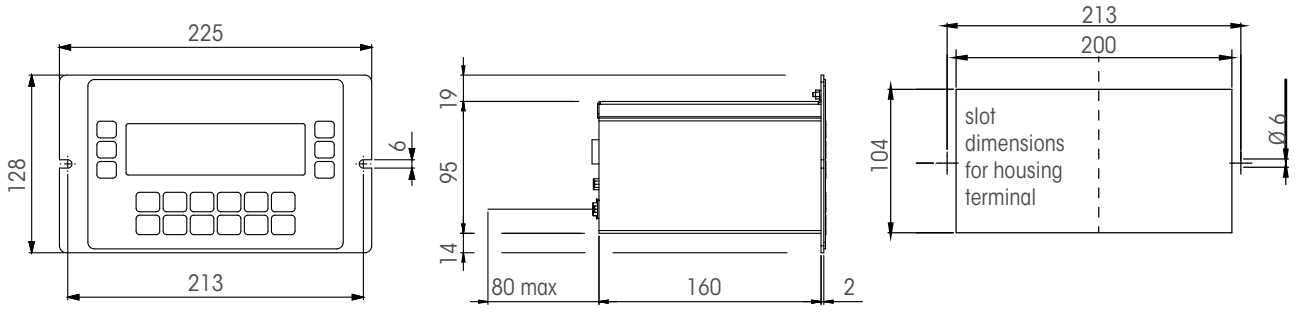
CE metrological approval (Directive 2014/31/EU)

Certification OIML R76-1

DD700 RACK is the ideal product for industrial automation systems since it can easily be mounted on a panel and integrated with control cabinets.
Thanks to application software for process controls, it permits making automatic batching systems without using a PLC. Available in a version with a 12-24V power supply, analogue output and PROFIBUS, PROFINET and Ethernet/IP fieldbus cards.

RACK VERSION

DD700 RACK VERSION



DD700 SELF

WEIGHING TERMINAL AND CONTROL UNIT

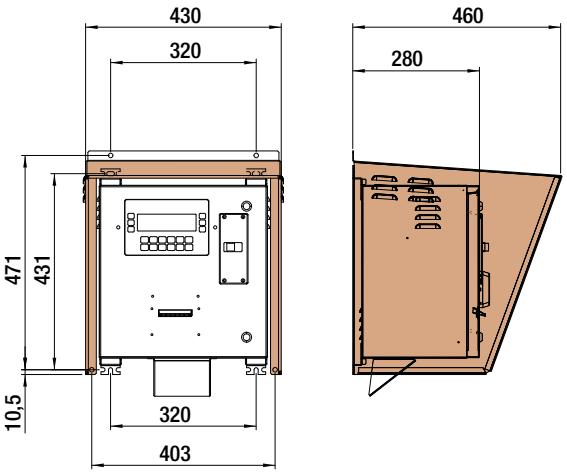
Declaration of Conformity

CE metrological approval (Directive 2014/31/EU)

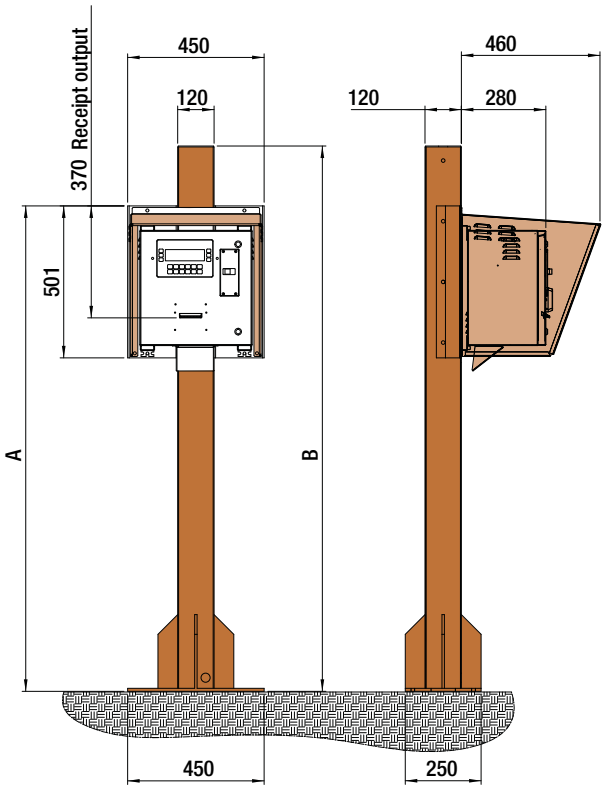
Certification OIML R76-1

Stainless steel

Ideal for managing public weighing machines, **DD700 SELF** permits managing weighing operations with payment in tokens or coins, or prepaid RFID cards.
It can be mounted on a pole or wall and has a 60mm built-in printer for issuing the weighing receipt.



MODEL	DIMENSIONS (mm)				
	A				B
WEIGHING WITH USER ON TRUCK	2305	2505	2705	2905	2903
WEIGHING WITH USER ON GROUND	1600	1800	-	-	1798



OPTIONAL

TECHNICAL FEATURES

COMMUNICATION PORTS	x1 RS232 x1 RS232/RS485/RS422 x1 USB-Host for USB keyboards and memory sticks x1 USB-Client for connecting to a PC x2 Digital inputs x2 Digital outputs (max 24 VDC/VAC, 190mA)
MAX NUMBER OF DIGITAL LOAD CELLS	12
MAX NUMBER OF SCALES	x1 digital, x2 analogue (multiplex)
MAX NUMBER OF ANALOGUE LOAD CELLS	Up to 12 analogue load cells of 350 ohm per scale
LOAD CELL POWER SUPPLY	5VDC
MAXIMUM RESOLUTION IN APPROVED VERSION	6000 and OIML (x2 4000e, x3 3000e)
WORKING TEMPERATURE	-10°C / +40°C
STORAGE TEMPERATURE	-20°C / +70°C
STORAGE TEMPERATURE (MAX NON-CONDENSED RELATIVE HUMIDITY)	-20°C / +70°C RH %
DISPLAY	135x32 mm backlit graphic

VERSION	**DD700**	**DD700ic**	**DD700i**	**DD700 RACK**	**DD700 SELF**
POWER SUPPLY	12 VDC / 110–240 VAC	12 VDC / 110–240 VAC	12 VDC / 110–240 VAC (24VDC optional)	12 VDC (24VDC optional)	110–240 VAC
FRONT PROTECTION	IP65	IP65	IP69K	IP65	IP65

OPTIONS

Analogue output 0-10VDC, 4-20mA
Profibus DP
Profinet
Ethernet/IP
Ethernet TCP/IP
WIFI (External)
4 inputs / 4 opto-isolated outputs
MPP Alibi Memory
Multicolour LED bar (DD700i only)
Power supply 12-24VDC (DD700i and DD700 Rack only)
Additional analogue scale input (multiplex)

In order to technologically improve its production, the company reserves the right to make changes and modifications to the products in the above photographs at any time and without prior notice.
Edition 09/2025

BILANCIAI GROUP

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