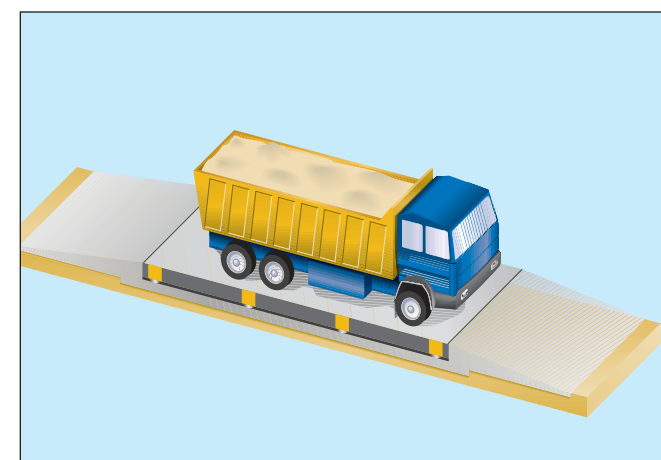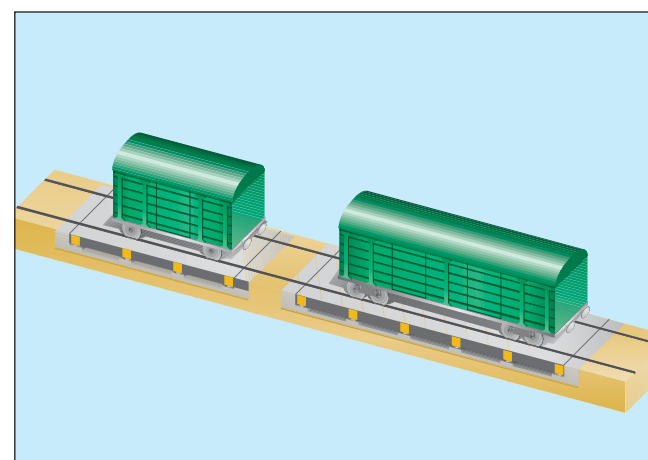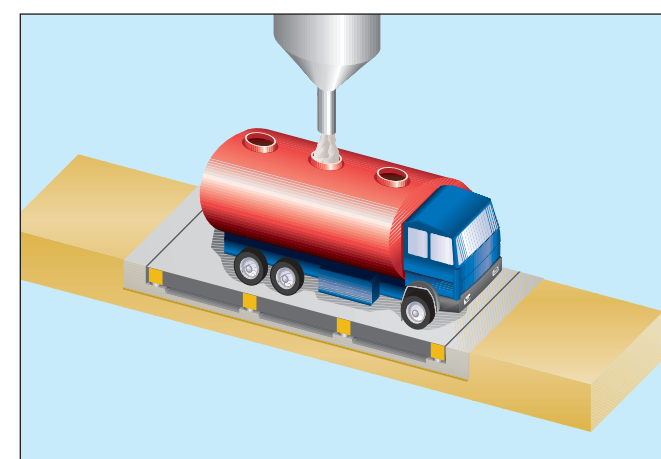## Model **D 800**

Applications

Thanks to its versatility the D 800 terminal can be employed for a wide variety of uses, meeting the most complex production requirements. Examples are shown below.
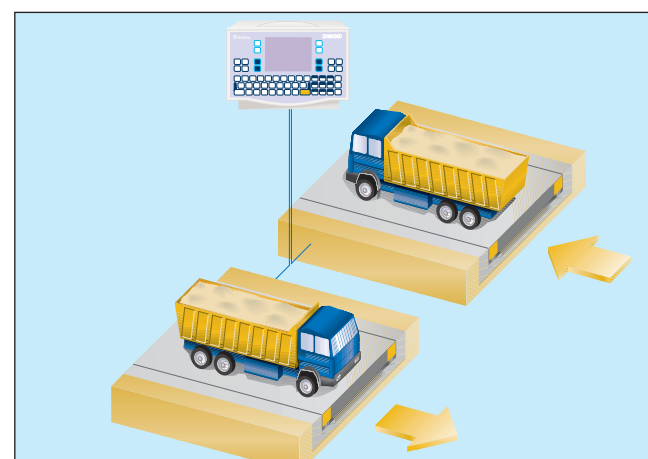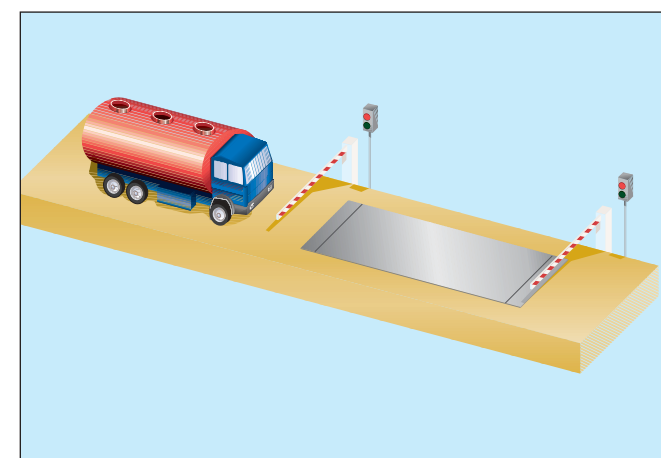
Weighing of any type of vehicle

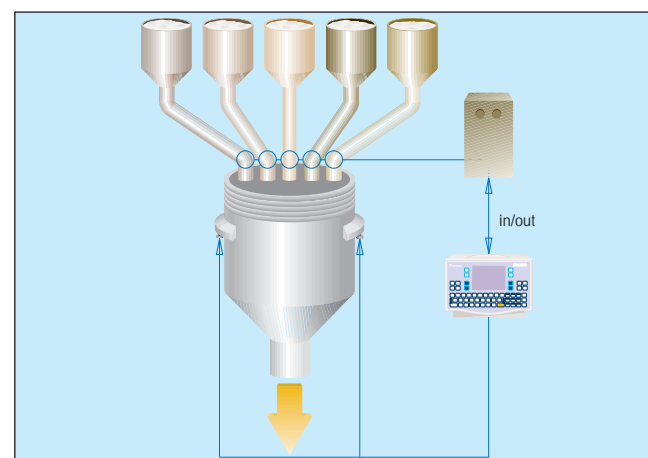Weighing railway cars with combined platforms

Management of bulk product loading

Management of weighing of two platforms with parallel input/output

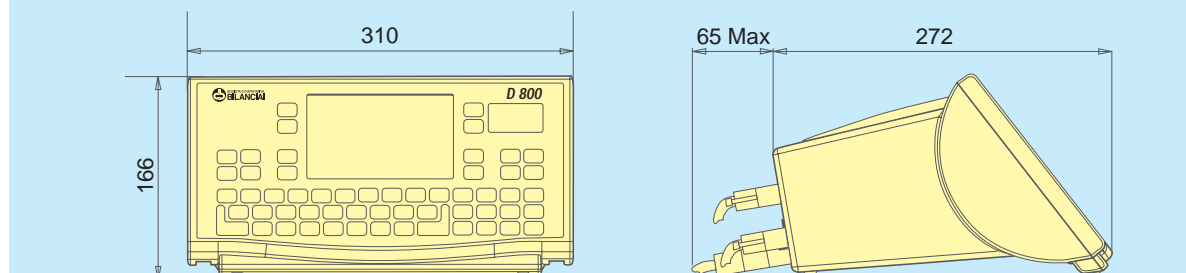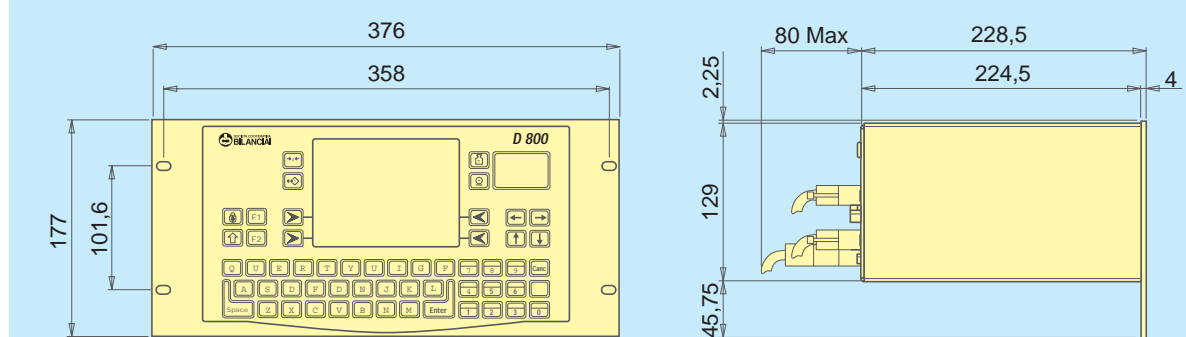Management of traffic signals or barriers

Weighing with batching

in/out

Model **D 800**

D 800 with printer STB 112

254 · 310 · 60 Max · 279

185

D 800 table-top version

310 · 65 Max · 272

166

D 800 rack version

376 · 80 Max · 228,5
358 · 224,5 · 4
2,25
177 · 101,6 · 129
45,75

Drill template - dimensions 300x130,5

Dialogical
terminal range

model **D 800/STB 112** CE

SOCIETA' COOPERATIVA BILANCIAI

Model **D 800**

General characteristics

Dialogica is the new range of terminals based on constant advanced research and the know-how acquired by Coop. Bilanciai in the weighing industry.
Innovative terminals, designed to effectively meet the needs of a continually changing market. the D 800 electronic terminal has been designed to enable operator dialogue using an extended alphanumeric keypad (QWERTY) and a very bright TFF graphics display wich makes it possible to customize the form and dimensions of the characters.
Specifically designed for use with weighbridges in combination with the new STB 112 printer it is also available in a DUPLEX version with both analogue and CPD digital load cells.
Built in ABS with an innovative design, it is available in table-top or Rack mounted versions.
it is also available in a batching version and has EC approval in conformance with Directive 90/384 EEC, it can be equipped with Single Scale or Multirange operation.

Versions

- **D 800 ANALOGUE** for connection to a scale (max twelve 350 ohm cells)
  - **D 800 DUPLEX ANALOGUE** for connection to two combined platforms (with sum) or in parallel equipped with analogue cells (max 2 platforms with twelve 350 ohm cells)
  - **D 800 DUPLEX DIGITAL** for connection to two combine platforms (with sum) or in parallel equipped with digital cells mod. CPD (max 2 platforms with 8 cells)
  - **D 800 DIGITAL** connected to digital loading cells model CPD (max 12 cells)
  - **D 800 BATCHING** equipped with dedicated software for managing formulas, products and batching parameters

Standard version technical specifications

▪ Power: 85 ÷ 265 VAC, 50/60 Hz, 40W
• Operating temperature: -10°C/+40°C
• Storage temperature: -20°C/+70°C
• Analogue load cell power: 10VDC; min. 29 ohm
• Maximum load cell input power 23mV
• 6 wire load cell connection with "sense"
• Maximum displayed resolution: 10.000 div. OIML (per versione omologata), 60.000 div. (per uso interno)
• Maximum measuring frequency: 100 conv./sec
• 8Hz analogue filter; automatically variable digital filter
• Programmable transmission rate up to 115.200 baud
• Automatic acknowledgement of entered options
• Calibration with the possibility of using a "linear configuration system" (max 5 points)
• Clock, permanent calendar
• Cold cathode backlit display, dimensions 115x86 mm
• 56 key alphanumeric polyester keypad
• Input for compatible P.C. keyboard
• Front panel IP 65 protection rating
• Relative humidity: max 85% not condensed
• In conformance with Directive 73/23 ECC (Low Voltage) and directive 89/336 EEC (Electromagnetic Compatibility)
• Electromagnetic immunity in conformance with EN 45501 standard and irradiated electromagnetic fields up to 10 V/m

Language selection for message

Keypad personalization

Standard equipment

▪ no. 1 serial output EIA RS 232
• no. 2 serial outputs EIA RS 232/422/485 (selectable)
• no. 2 opto-isolated INPUTS
• no. 2 relay OUTPUTS max 110 V, 200 mA

Optionals equipment

▪ MPP permanent weights memory
• 3 expansion slots for inserting:
  - 4 IN/ 4 OUT card (max 110 v , 200 mA)
  - 4 IN/ 12 OUT card (max 24 v , 100 mA)
  - Serial interface card EIA RS 232/422 (selectable)
  - 24V BCD card
  - TTL 5V BCD card
  - TTL 5V BCD card (multi-point connection)
    (up to 3 cards of the same type can be used together)
• 12 V power
• Rack version

Functional characteristics (standard version)

▪ Weight display
• Language selection for message (6 languages)
• Weighing system autotest operation
• "Preset tare" function from the keypad
• Reset via key, serial channel or associated input
• Weight value transmission and accessory data
• Personalization of more frequently used functions for direct access from the alphanumeric keypad (Hot keys)
• Association of the more frequently used functions to I/O and serial channels
• Weighing with batching during loading/unloading for each product
• Sum weighing
• Management of codes with associated alphanumeric description (max 20 characters)
• Management of a generic alphanumeric code
• Management of Multiple Tares
• Possibility of effecting totalization for a code or preselected function
• connection to all printer models supplied by Coop Bilanciai

Exit weighing with data recall

Badge for vehicle licenses

• Standard single or double weighing operation for weighbridges:
  - Recall management for first weighings by self generated code or vehicle licence plate
  - Memorization and printout of first weighing with associated data (product code, client code etc.)
  - Possibility to manually set the first weight
  - Possibility of using a known first weighing archive
  - Management of 6 character product code with associated 20 character alphanumeric description
  - Management of client code with associated description of company type and adress
  - Management of licence with associated hauler description
  - Totalization by product code, client code, licence or combination of codes, weighing data and number of weighings
  - Easy access to code and known weight archives (while typing the code the selected items appear)
  - Possibility of consulting the first weighings not effected
  - Management of more than one scale (in DUPLEX version)
  - Possibility of connection between terminals to carry out yhe first (in) and second (out) weighings on different weighbridges
  - Management of access control to weighings via I/O from traffic signals or barriers
  - Connection with all printers from Coop. Bilanciai

General characteristics

▪ High performance thermal printer for printing on tape or cards the alphanumeric data, bar-codes or picture
• The high degree of flexibility that the printer and cutting mechanism is equipped with makes it possible to optimize the printing format and number of copies with a consequent reduction of paper
• Its graphic and alphanumeric features provide a great deal flexibility for personalizing data andgraphic layout (company logo, type of company etc.) without having to use other printing systems
• Power: 220 Vac
• The printer is setup for printing on extra thick cards and adhesive labels

Printer STB 112

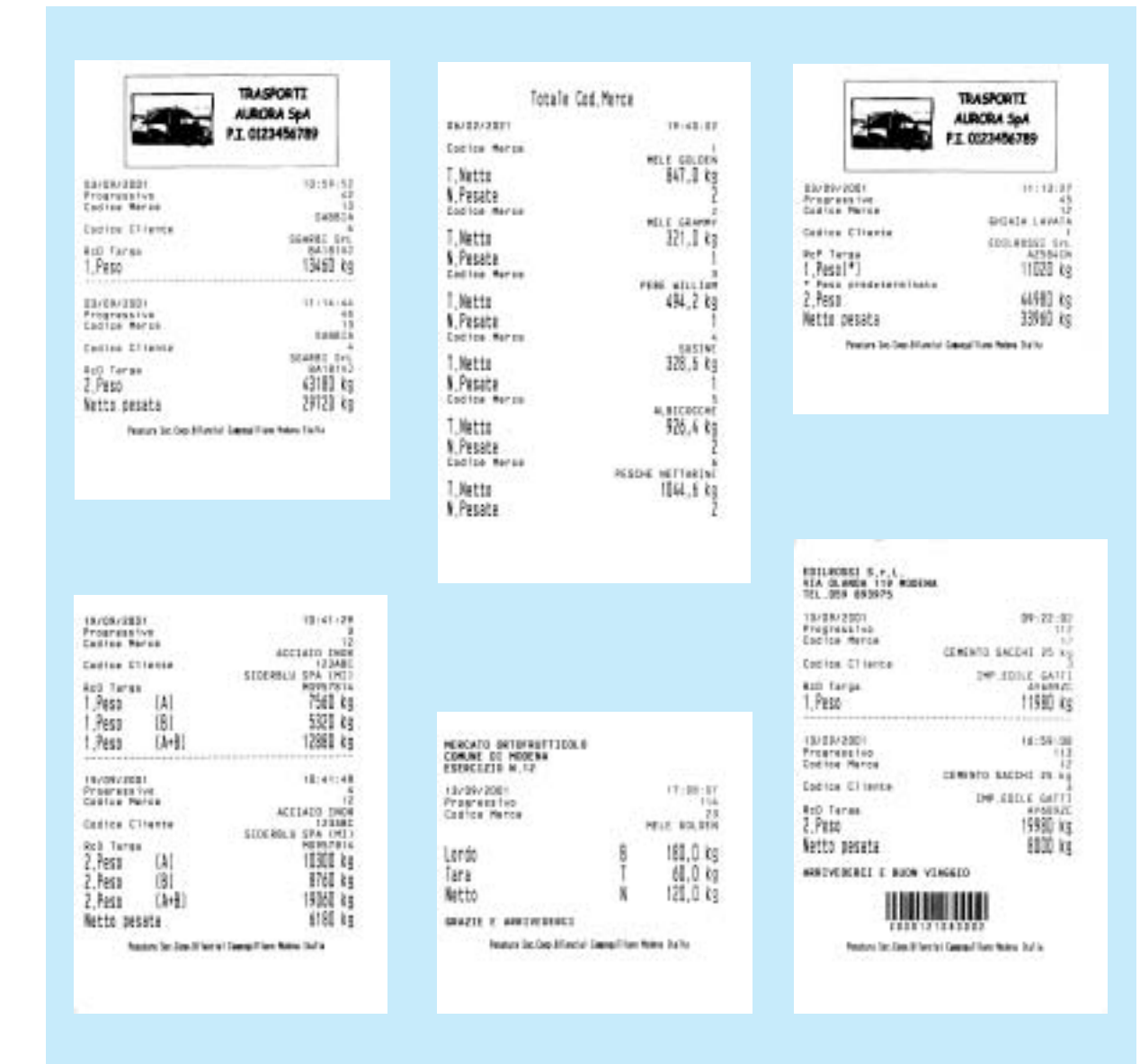
Example of multiple copy printout

Technical specifications

▪ Resolution 8 dots/mm
• Printing speed up to 150 mm/sec
• Roll diameter 80 mm
• Maximum paper width 112 mm
• Text Orientation: horizontal; 90° ; 180°
• Power: 220 Vac
• Power: STAND BY: 5W
             AVERAGE: 30W
             PEAK: 150W
Printing formats: normal, double or quadruple in height and width, expanded, negative, underlined, script

Printing example