



Dialogica series Terminal



model D 410

Model D 410

General specifications

The new Dialogica series of terminals reflects the outcome of advanced and constant research, and of the considerable know-how acquired by Coop Bilanciai in the weighing sector. Innovative terminals, designed to satisfy the new requirements of a market in constant evolution. The D 410 electronic terminal ensures maximum ease of dialogue with the operator, thanks to an alphanumeric keypad and a backlit graphic display which is extremely simple to use and offers the facility of changing the shape and size of characters to suit different operating conditions. With a generous number of functions, and possibilities for expansion, the instrument affords extensive scope for interfacing with PLCs, PCs, printers and automation systems. Rack-mounting and tabletop versions are available, both presenting similarly compact dimensions. The product bears the EC mark in accordance with EEC directive 90/384, and is connectable to any type of load cell. Monoscale and multirange versions are available.



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Technical data

- Power supply: 85 ÷ 265 Vac, 50/60 Hz, 40W
- Operating temperature: -10°C to +40°C
- Storage temperature: -20°C to +70°C
- Analog load cell power supply: 10Vdc; min. 29 ohm
- Maximum voltage at cell input: 23mV
- 6-wire cell connection with sense lines
- Maximum external resolution: 10.000 div. OIML (for “legal” use)
60.000 div. (not for “legal” use)
- Maximum read rate: 100 conversions/s
- Analog filter 8Hz; automatically variable digital filter
- Transmission speed programmable up to 115.200 baud
- Automatic recognition of set options
- Calibration with facility of “linearisation” function (max 5 points)
- Permanent clock and calendar
- Backlit graphic display, dimensions 135x32 mm
- 18-key alphanumeric polyester keypad
- Front panel protection category: IP65
- Relative humidity: max 85% non-condensing



Customizable display



Language selection for messages

- In compliance with EC Directive 73/23 (Low voltage)
- In compliance with EC Directive 89/336 (Electromagnetic Compatibility)
- Electromagnetic immunity to EN 45501
- Immunity to irradiated electromagnetic field < 10 V/m

Standard equipment

- 1 x EIA RS 232 serial port
 - 1 x EIA RS 232/422/485 serial port (selectable)
 - 1 x analog output 0-10V/4-20 mA (with negative weight calculation)
 - 2 x optoisolated input
 - 2 x relay output max 110V, 200mA
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Operating features (basic version)

- Weight display with variable height numerals (16-32 mm)
 - Language selection for messages (6 languages)
 - Weighing system self-test
 - “Auto tare” function with key, serial channel or associated input
 - “Preset tare” function, by way of keypad
 - Resetting by means of key, serial channel or associated input
 - Transmission of weight value and accessory data
 - Personalization of most frequently used functions by direct access via keypad
 - Association of most frequently used functions with I/O and serial channels
 - Facility of selection with preset range (Min÷Max)
 - Weighing in load/unload batch mode and “weight loss” mode
 - Sum weighing
 - Product code management with associated alphanumeric description (max 20 digits)
 - Generic alphanumeric code management
 - Multiple tare management
 - Facility of totals linked to code or selected function
 - Connection to all models of printers supplied by Coop Bilanciai



Weight display with variable height numerals (16 to 32 mm)



Graphic display: operation with preset range

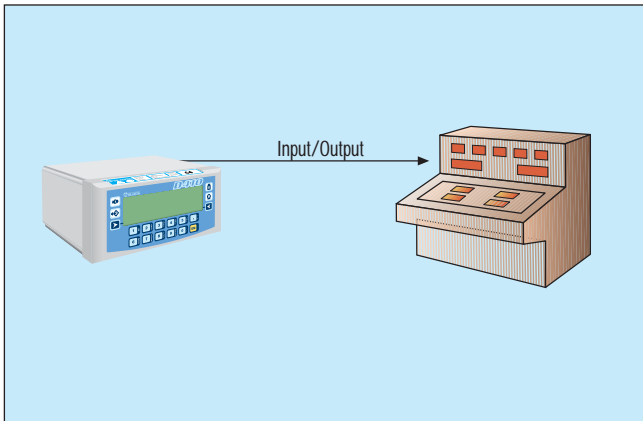
Optionals

- Ethernet card
 - MPP permanent weight memory
 - 2 x expansion slot for:
 - 4 IN./4 OUT. card
 - EIA RS 232/422 (selectable) serial interface card
 - 24V BCD card
 - 5V TTL BCD card
 - 5V TTL BCD card (multipoint connections)
 - (2 cards of the same type can also operate together)
 - 12V power supply
 - “Angle stand” kit

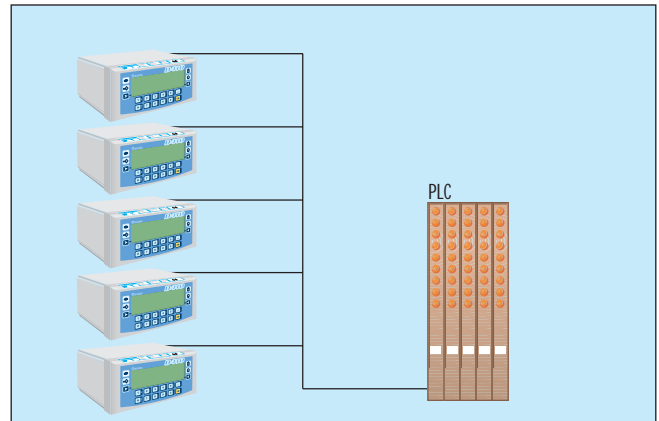
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Applications

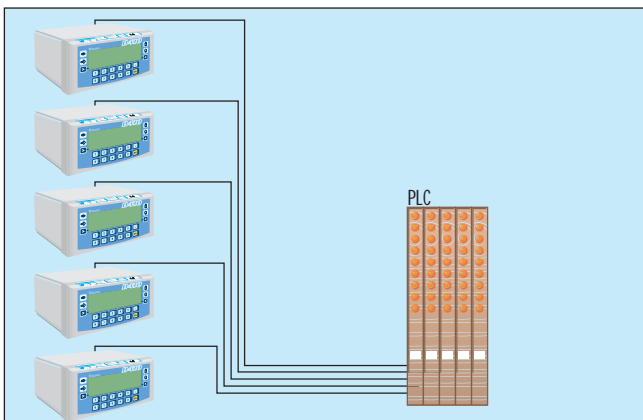
Thanks to the versatility of the D 410 terminal, it can be used in a wide range of applications, satisfying even the most complex production requirements. Some examples are shown in the figures below.



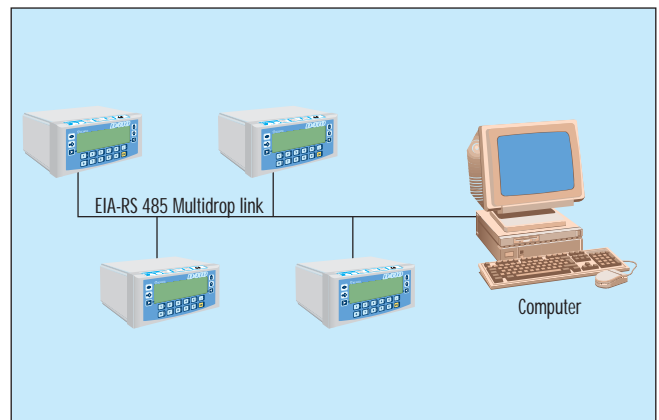
Automation by way of input/output contacts



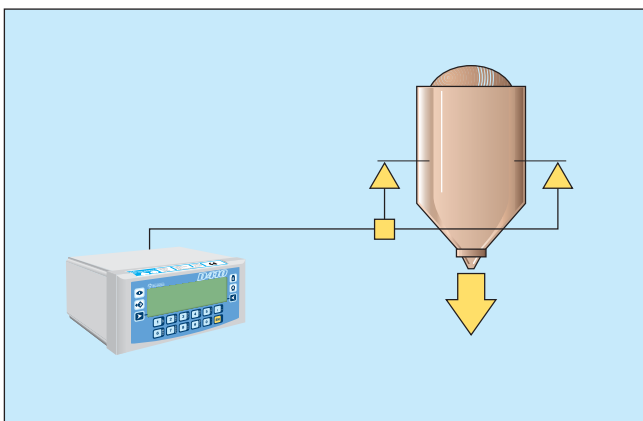
5 Volt BCD connection (including "Multipoint")



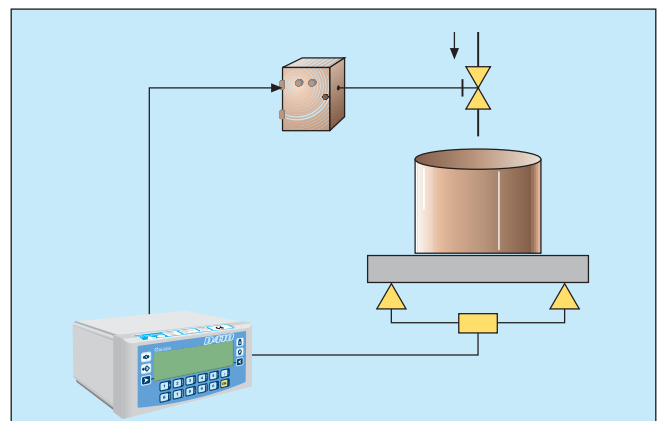
Connection with 0÷10V, 4÷20mA analog output



Networked connection



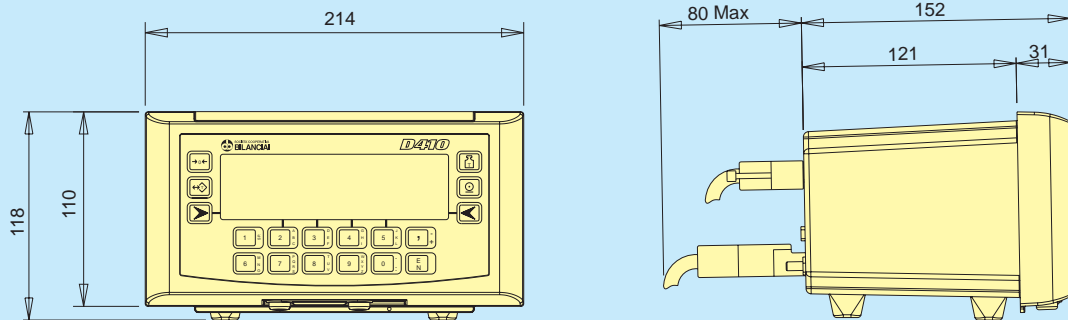
Weighing of hoppers, silos, tanks



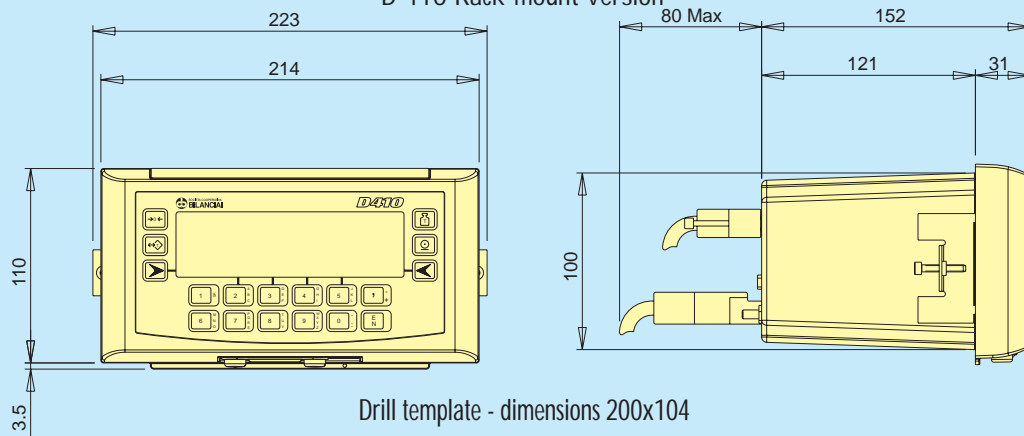
Batch weighing

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D 410 tabletop version

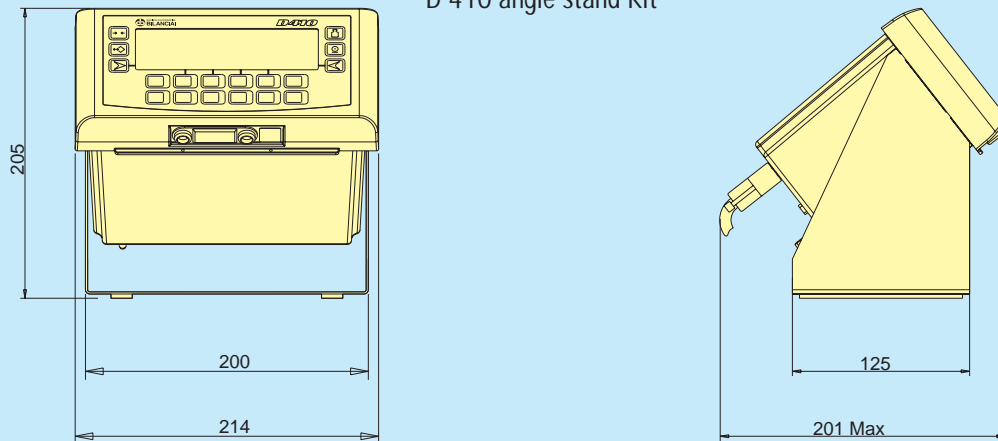


D 410 Rack-mount version



Drill template - dimensions 200x104

D 410 angle stand Kit



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