Dialogica
Series Terminal

model **D 400** $\text{\small APPROVAZIONE}$ CE

**SOCIETA' COOPERATIVA
BILANCIAI**

Model **D 400**

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 400 electronic terminal ensures maximum ease of dialogue with the operator, thanks to 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.
Rack-mounting and tabletop versions are available, both presenting similarly compact dimensions. This is a weighing terminal with a notably versatile range of use: from simple weight display to automation systems for industrial process.
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. (for "non-legal" use)
- Maximum read rate: 100 conversions/s

Customizable display

Language selection for messages

- 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)
- Backlit graphic display, dimensions 135x32 mm
- 6-key alphanumeric polyester keyboard
- Front panel protection category: IP65
- Relative humidity: max 85% non-condensing
- 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

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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, programmable using the cursor on the display
- Resetting by means of key, serial channel or associated input
- Transmission of weight value
- Direct access to most frequently used functions
- Association of most frequently used functions with I/O and serial channels

Weight display with digits from 16 to 32 mm high

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
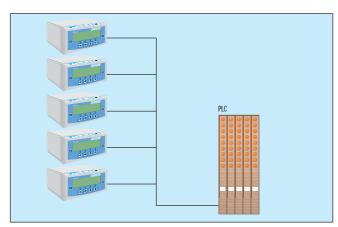- 2 x relay output max 110V, 200mA

Optionals

▬ MPP permanent weight memory
- 2 x expansion slot for:
  - 4 IN/4 OUT card
  - 24V BCD card
  - 5V TTL BCD card (multipoint connections)
    (2 cards of the same type can also operate together)
- 12V power supply
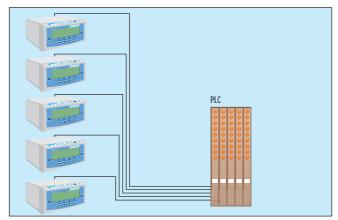- "Angle stand" kit

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Applications

Thanks to the versatility of the D 400 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.
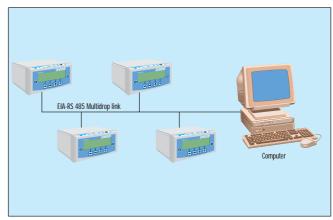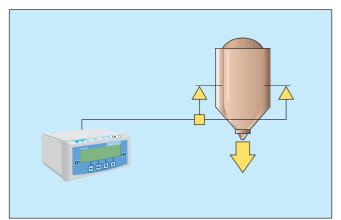

Automation by way of input/output contacts

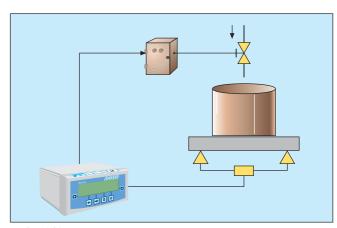5 Volt BCD connection (including "Multipoint")

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

Networked connection

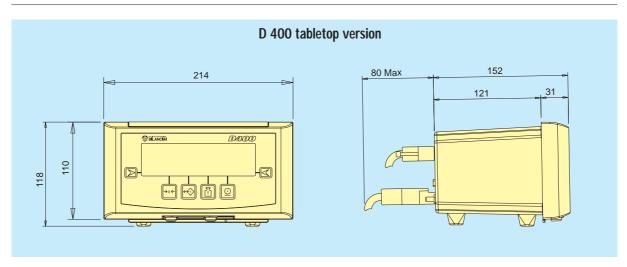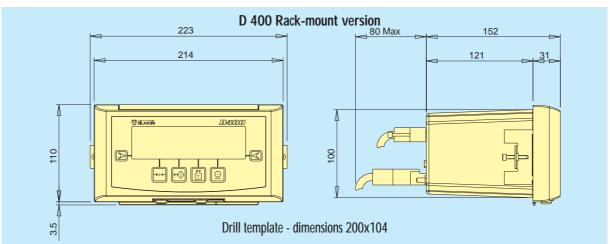Weighing of hoppers, silos, tanks

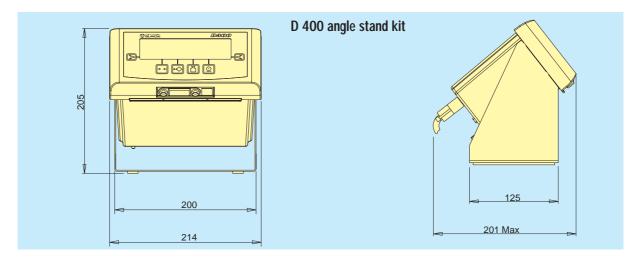Batch weighing

Equipment not supplied

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D 400 tabletop version

214

80 Max | 152

121 | 31

118 | 110

D 400 Rack-mount version

223

214

80 Max | 152

121 | 31

110

100

3.5

Drill template - dimensions 200x104

D 400 angle stand kit

205

200

214

125

201 Max

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