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D70E

WEIGHING INDICATOR WITH TCP/IP ETHERNET PORT

BILANCIAI GROUP

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WITH TCP/IP ETHERNET PORT

Declaration of Conformity

CE metrology approval (Directive 2014/31/EU)

Certification OIML R76-1

WEIGHING INDICATOR WITH TCP/IP PORT

D70E is a weighing indicator for general purpose applications equipped with **Ethernet TCP/IP communication port**.

It has a LED display and a membrane keyboard and features an extraordinary value for money.

It is particularly suitable for small and medium weighing where a highly readable display is required; available in versions with:

- **AA batteries**
- **Rechargeable internal Lithium battery**
- **12-24Vdc extended power supply, 0-10Vdc / 4-20mA analogue output, 2 digital INPUTS and 2 digital OUTPUTS**

With **CE approval** in accordance with Directive 2014/31/EU, it can be connected to any type of analogue load cell in Single or Multi-range version.

STRENGTHS

- BUILT-IN ETHERNET TCP/IP COMMUNICATION PORT
- POSSIBLE OPERATION AS WEIGHT "REPEATER"
- EASILY PANEL-MOUNTED COMPACT DESIGN
- NATIVE MODBUS TCP/IP PROTOCOL FOR CONNECTION WITH PLC
- VERSION WITH INTERNAL RECHARGEABLE BATTERY
- VERSION WITH DIGITAL I/OS AND ANALOGUE 4-20mA / 0-10Vdc output

TECHNICAL SPECS.

COMMUNICATION PORTS	X1 Ethernet TCP/IP X1 RS232/RS485		
NUMBER OF LOAD CELLS	4x350 Ω		
LOAD CELL POWER SUPPLY	5Vdc		
MAX RESOLUTION FOR "LEGAL USE"	6000 div. OIML (max 3 ranges from 4000 divisions)		
MAX RESOLUTION FOR "INDOOR USE"	30000 div.		
OPERATING TEMPERATURE	-10 °C / +40 °C		
STORAGE TEMPERATURE	-20 °C / +70 °C		
RH % (max non-condensing relative humidity)	85%		
PANEL PROTECTION RATING	IP65		
DISPLAY	7-segment red LEDs h 20 mm		
VERSION	**STANDARD**	**WITH RECHARGEABLE BATTERY**	**WITH ANALOGUE OUT-PUT AND I/OS**
POWER SUPPLY	12 Vdc / 110÷240 Vac 6 x 1.2 V AA, rechargeable 6 x 1.5 V AA, alkaline	12 Vdc / 110÷240 Vac Rechargeable internal lithium battery	12-24 Vdc on terminal board
RUNNING TIME	16h (single-cell)	16h (single-cell)	
ANALOGUE OUTPUT			0-10V 4-20mA
DIGITAL INPUTS			X2 Requires a dry contact
DIGITAL OUTPUTS			X2 Vmax 24Vac/Vdc Imax 190mA



D70E battery compartment

Lithium battery version also available



Version with analogue output and Input/Output

FUNCTIONAL SPECS.

OPERATING MODES:

- Simple weighing
- Piece counting
- Subtotal and general total by weight and pieces with weighing reports
- Setpoint management (I/O version)
- Simple Loading / Unloading Extraction (I/O version)
- Extraction with slow and overhead weight management (I/O version)

FUNCTIONS:

- Weight repeater
- Printer management
- Date and time management
- Automatic or preset tare
- MPP legal weighing management (optional)

COMMUNICATION PROTOCOLS AVAILABLE:

- MODBUS RTU
- MODBUS TCP/IP
- Cyclical or on-demand sending of weight
- Sending of weight upon key pressing
- Remote controls



PRINTOUT EXAMPLES:

```
Data                    03/10/2013
Ora                     11.04.28

N.Pesate                       1
Tara                     250 kg
Netto                  19720 kg
PEZZI                        197

        Pesatura Bilanciai Group
```

```
Data                    03/10/2013
Ora                     11.04.52

N.Pesate                       2
Tara                      50 kg
Netto                  14921 kg
PEZZI                        149

        Pesatura Bilanciai Group
```

Printout with piece counting function

```
Data                    03/10/2013
Ora                     11.04.56

      Data   Ora    Netto   Tara    PEZZI
1 031013 110428   19720   250 kg    197
2 031013 110452   14921    50 kg    149
```

Summary printout
(Available only with STB2080)

```
        Totale Parziale
Data                    03/10/2013
Ora                     11.04.59

N.Pesate                       2
Tara                     300 kg
PESO                   34641 kg
PEZZI                        346
```

```
        Totale Generale
Data                    03/10/2013
Ora                     11.05.03

N.Pesate                       2
Tara                     300 kg
PESO                   34641 kg
PEZZI                        346
```

General total printout

ACCESSORIES

- Panel mounting support
- Battery kit
- Kit for wall-mounting
- Column kit for mounting on PMA
- "Compact" configuration kit to be mounted at the bottom of PMA
- Stand kit
- MPP for legal weighing saving
- Available Tool SW on PC for connection to the indicator



D70E on platform-mounted column mod. **PMA**



D70E connected to platform mod. **PMA** with "compact" configuration

CONNECTABLE PRINTERS



STB2080

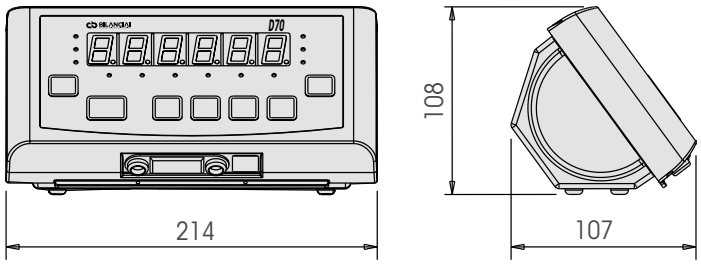
Size: 209 (L) × 140 (W) × 152 (H) mm



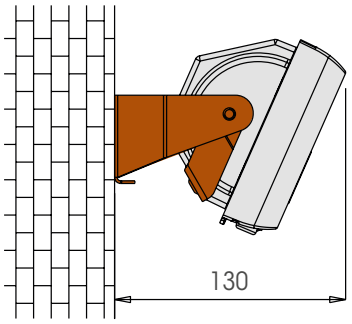
LP55

Size: 197 (L) × 120 (W) × 102 (H) mm

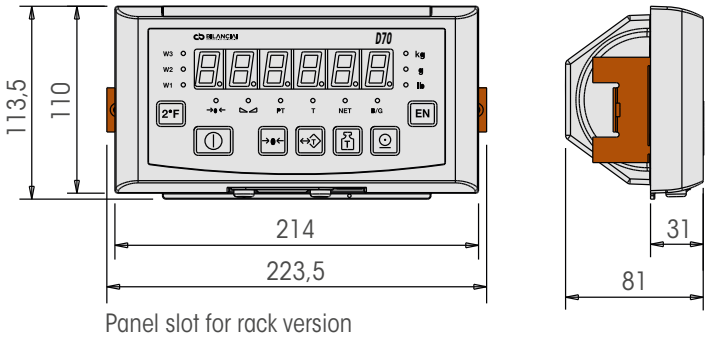
DESKTOP VERSION



WALL MOUNTED VERSION

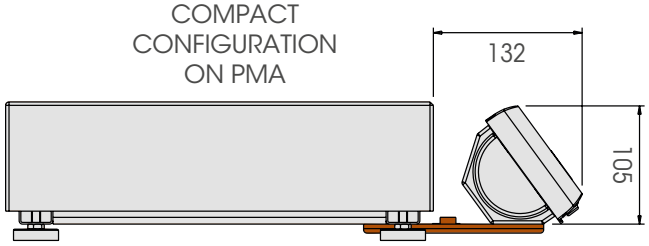


PANEL MOUNT VERSION

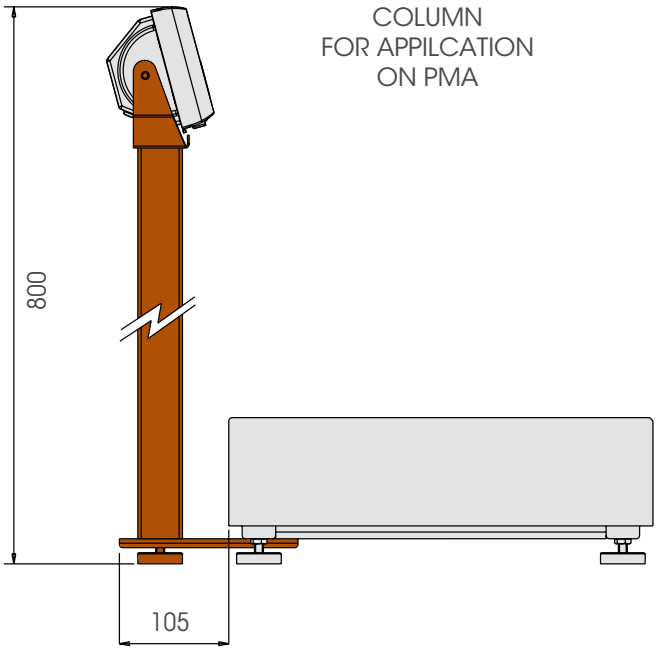


Panel slot for rack version
(dimensions 200x104)

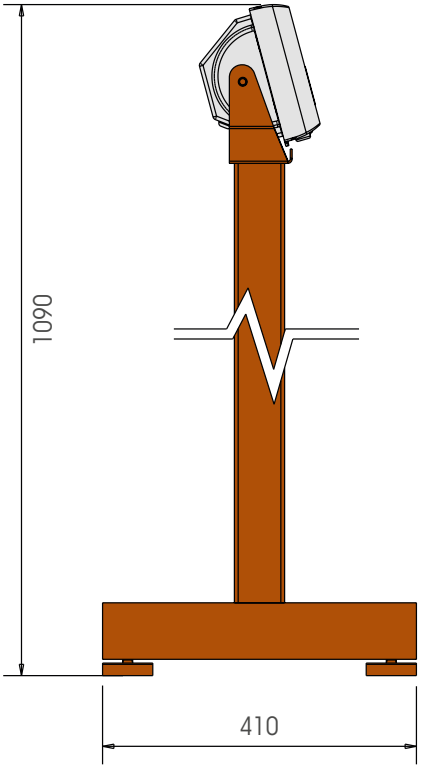
COMPACT CONFIGURATION ON PMA



COLUMN FOR APPILCATION ON PMA



COLUMN WITH PEDESTAL FOR CONNECTION TO PLATFORM SCALE



= Accessories

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

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