

SOCIETA' COOPERATIVA
BILANCAI
Strumenti e Tecnologie per Pesare



D70E

WEIGHING INDICATOR
WITH TCP/IP ETHERNET PORT



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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 OUTPUT 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



Version with
analogue output
and Input/Output



D70E battery compartment

Lithium battery
version also
available



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

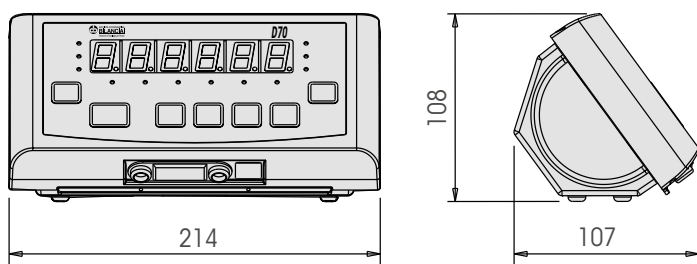
Size: 209 (L) × 140 (W) × 152 (H) mm



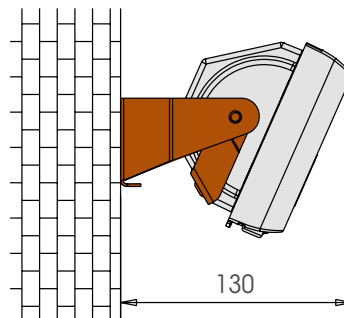
LP55

Size: 197 (L) × 120 (W) × 102 (H) mm

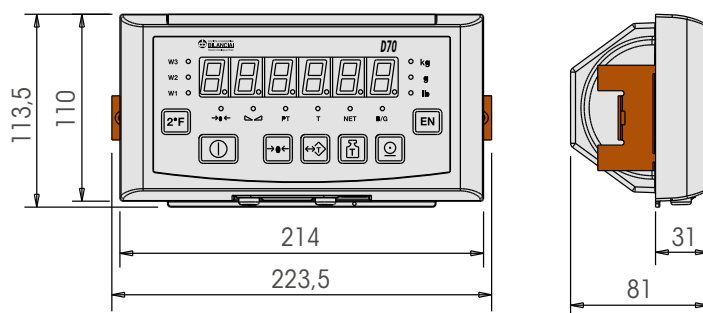
DESKTOP VERSION



WALL MOUNTED VERSION

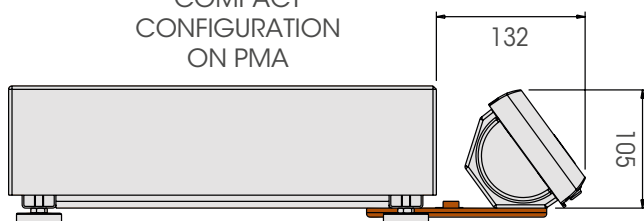


PANEL MOUNT VERSION

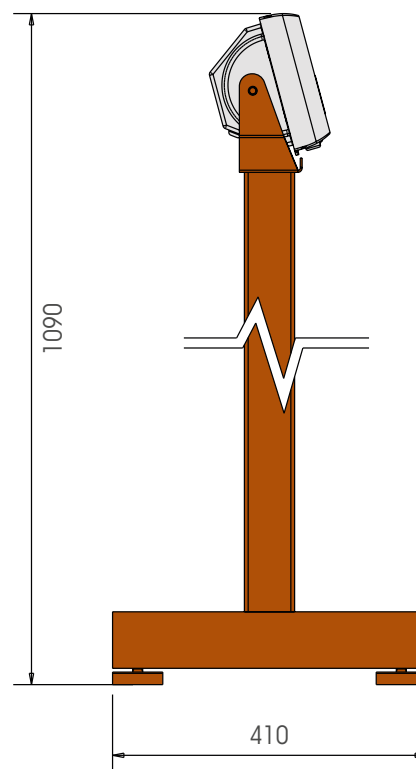


Panel slot for rack version
(dimensions 200x104)

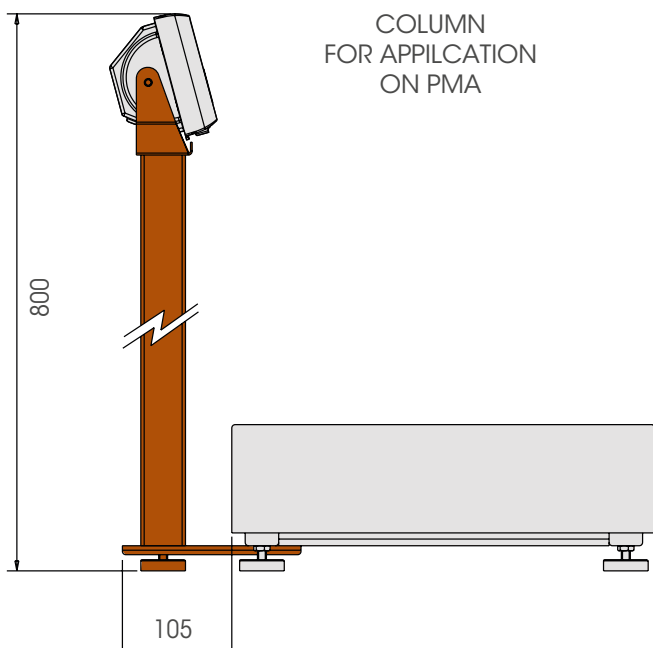
COMPACT
CONFIGURATION
ON PMA



COLUMN WITH PEDESTAL
FOR CONNECTION
TO PLATFORM SCALE



COLUMN
FOR APPLICATION
ON PMA



 = Accessories



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