

# LOAD CELLS DIGITAL INTERFACE

With 6 digits display and fieldbus



## DLC-NET

**DLC-NET** series are micro-processor interface units for strain gauge load cells. In the basic version allows weight visualization on the display. With the expansion board, many other functions are enabled, included the automatic dosing up to four components, with both immediate and delayed digital outputs.

Available with fieldbus interfaces as an option:

Profibus-DP® or Profinet®



### GENERAL FEATURES

- Compact and rugged metal enclosure for panel mounting
- Complete digital calibration via push buttons
- Optional Profibus-DP® or Profinet® communications Fieldbus
- It meets the requirements of the EMC Directive 2014/30/EU and it is tested according to the harmonized standards EN 61000-4 and EN 61000-6

Galvanic insulation through DC/DC converter between 24 Vdc power supply, the load cells, fieldbus and remote display for a maximum disturbances attenuation. The device is electrically calibrated at the factory.

### TECHNICAL CHARACTERISTICS

Load cells power supply:	5 V dc
Maximum current:	150 mA (4 load cells with R=350 Ω)
Maximum sensitivity:	40 nV/div
Input signal:	from -4mV/V to +4 mV/V
Maximum resolution:	19 bit + segno (524.288 divisioni a 4 mV/V)
Conversion rate:	10 or 80 sample/s (selectable)
Device power supply:	24 Vdc±10%, 3 Wmax
Dimensions:	144 x 72 x 120 mm (W x H x D)

Profibus-DP® slave interface (up to 12 Mbit/s): allows an easy connection to PLC/PC with up to 124 units on single link. Profinet® slave interface (10/100 Mbit/s) with integrated Ethernet switch for easy daisy-chain connection.

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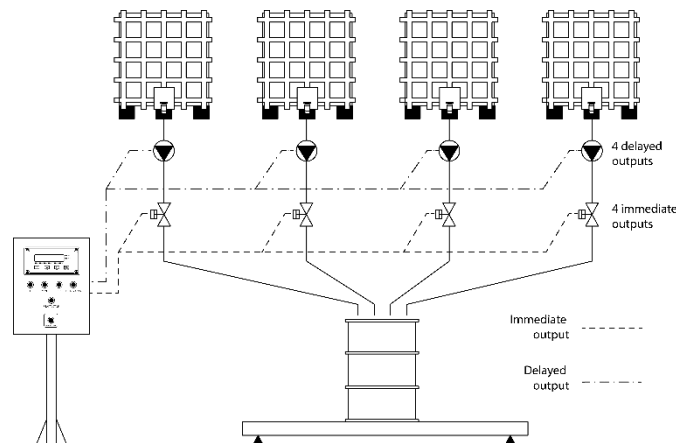
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## ORDER CODE

<b>DLC-NET</b>	<b>Digital load cells interface with indicator</b> Basic version without expansion board –EB and without fieldbus port In-factory calibration range: 0-4 mV/V RS485 serial output to remote indicator 4 digital inputs to remote indicator Digital filter selectable between: 1, 4, 8, 16, 32, 64 samples
<b>DLC-NET-PB</b>	<b>Digital load cells interface with indicator and Profibus-DP® interface</b> Same functions of the DLC-NET Stable weight threshold tuning via keyboard or Fieldbus Profibus-DP slave interface (up to 12 Mbit/s): allows an easy connection with up to 124 units on a single link
<b>DLC-NET-PN</b>	<b>Digital load cells interface with indicator and Profinet® interface</b> Same functions of the DLC-NET Stable weight threshold tuning via keyboard or Fieldbus Profinet® slave interface (10/100 Mbit/s) with integrated Ethernet switch for easy daisy-chain connection
<b>-EB</b>	<b>Expansion board</b> In combination to one of the above versions 4 settable set-points outputs (PNP 24 V / 0,1 A) / alternative to parallel output Analog output (4-20 mA or 0-20 mA) RS-232 or RS-485 printer serial output Batch mode implements the automatic dosing up to 4 components, with immediate outputs for solenoidal valves and delayed ones for pumps

## DLC-NET-EB BATCH MODE



## DIMENSIONS

