

LOAD CELLS DIGITAL INTERFACE

With Profibus® or Profinet® fieldbus connection



DTR-NET

DTR-NET series are micro-processor interface units for strain gauge load cells.

An easy installation and high accuracy, plus their suitability for immediate use make these products adaptable for the specific requirements of industrial plants.

Available with fieldbus interfaces:

Profibus-DP® or Profinet®



GENERAL FEATURES

- Compact and rugged metal enclosure for DIN rail mounting
- Available with Profibus-DP® or Profinet® communication module
- Compatible with serial remote display: LOGIC DLC-NET-RD or BEKA®
- 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
Dimensioni:	30 x 135 x 107 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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ORDER CODE

DLC-NET-PB

Load cells interface with Profibus-DP® communication port

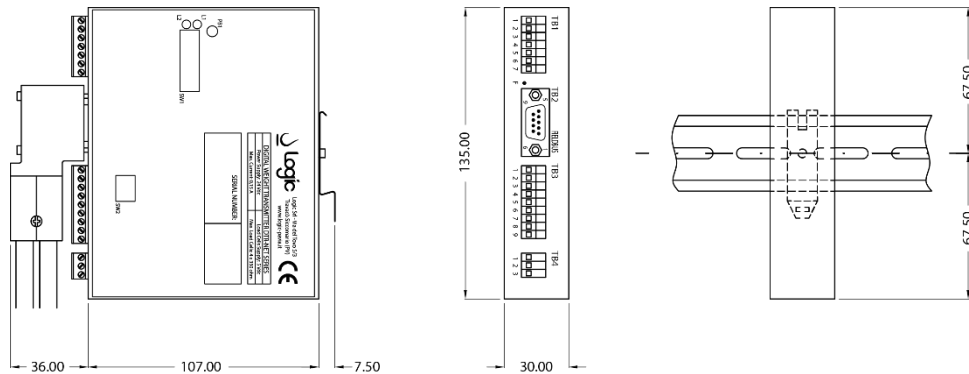
- DIN rail mounting
- Factory calibration range: 0÷4 mV/V
- Diagnostic LEDs for power supply and communication verification
- Stable weight threshold tuning via fieldbus
- DIP switch setup for digital filter configuration and Profibus-DP address
- Serial interface for LOGIC DLC-NET-RD or BEKA® remote indicator
- Profibus-DP® slave interface (up to 12 Mbit/s): allows the connection with up to 124 units on a single link

DLC-NET-PN

Load cells interface with Profinet® communication port

- DIN rail mounting
- Factory calibration range: 0÷4 mV/V
- Diagnostic LEDs for power supply and communication verification
- Stable weight threshold tuning via fieldbus
- DIP switch setup for digital filter configuration
- Serial interface for DLC-NET-RD or BEKA® remote indicator
- Profinet® Slave interface (10/100 Mbit/s) with integrated Ethernet switch for easy daisy-chain connection

DIMENSION WITH DIN RAIL MOUNTING



CONNECTION TO BEKA® REMOTE WEIGHT INDICATOR IN ATEX ZONE 1

