



Standard or custom made belt scale weigh frame "BS311" series, for conveyors



The best solution for advanced industrial applications

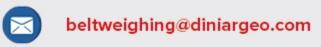
MAIN ADVANTAGES

- MINIMUM MODIFICATIONS to the conveyor are required.
- STANDARD OR CUSTOMISED DIMENSIONS for any conveyor width, from 500 to 1200 mm.
- VERY ACCURATE: from 0,5 % of accuracy (*), MID approved
- SUITABLE FOR INCLINED BELTS up to 12 degrees(*)

(*) these features are strongly influenced by the mechanical quality of the conveyor structure, typology of the conveyed material, installation en

FOR MORE INFORMATION

• Contact us at:



WEIGH FRAME TECHNICAL FEATURES

- Structure made in heavy powder coated steel, for harsh industrial environments (galvanised steel or stainless steel available upon request).
- 1 stainless steel load cell, made according to OIML R60 standards, with protection against dust and water splashes according to IP65 standards
- Load cell safety stops against overloads.
- Up to 15 Vdc power supply.
- Grounding system for load cell protection.
- Standard flow rate capacity up to 1500 t/h, higher capacities upon request.
- Maximum supported belt speed up to 2 m/s, higher capacities upon request.
- Maximum belt inclination up to 12 degrees, higher inclinations upon request.
- ATEX approved version for 21 or 22 zones upon request.

MICROCONTROLLER UNIT FEATURES

High performance digital microcontroller with programmable inputs and outputs, fitted with 3 serial ports, transmissions protocols for data common The wide range of connectable fieldbus converters, accessories and printers guarantees the maximum interfaceability and versatility.

Mechanical Features:

- Waterproof 25-key numerical functional keyboard.
- Programmable function keys, for customising the keyboard functions according to the needs.
- Easy to consult backlit graphic LCD display, with a clear visualisation of the weight and wide range of information.
- Fitted with 3-way control light made up to synoptic bar-graph with 3 groups of 3 Leds each, to tolerance check and setpoint.
- IP68 stainless steel waterproof case, easy to clean and resistant in harsh and corrosive environments.
- Dimensions, including support bracket: 269x58,8x183mm.
- Suitable for use on the table, wall mounting or panel mounting.

Electrical Features:

- Real time clock and permanent data memory.
- Selection of the program language directly in the set-up.
- A/D 24 bit sigma-delta 4-channel conversion, up to 3200 conv./sec. with automatic selection. Filtering system through programmable software,
- Calibration and Set-Up parameters, configurable from PC with Dinitools or with the keyboard; theoretical calibration with the entry of the charac
- Up to 1.000.000d displayable for internal factory use.
- Up to 10.000e or multirange 3 x 3000e @ 0,3 µV/d in CE-M approved version for legal for trade use.
- Internal resolution of up to 3.000.000 points.
- 230 Vac or 24 Vdc power supply, 16 VA power.
- 2 RS232 serial ports configurable for connection to printers, PC or PLC, radio modules or other external units.
- 1 RS232 serial port (optional RS485) configurable for connection to repeater, bar code reader, or digital load cells.
- 4 optoisolated outputs, up to 16 on request.
- 2 optoisolated inputs, up to 8 on request.
- Fieldbus interface (optional).
- Bluetooth connection, for quick wireless programming through PC (optional).
- Keyboard emulation input.

CONSULTING SERVICE

- If you need an help to select the most suitable bar for your application and verify the feasibility of the system, fill in the data request form, which
- This data request form, correctly filled in, can be analyzed form our technical department in order to find the best solutions for your application.









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All the specifications and images can be subject to variations and upgrades without prior notice.