

robust und modular belt scale



Properties

- ◆ modular setup - one basicframe compatible with every bandwidth
- ◆ low design height
- ◆ weighing of one idler
- ◆ Integral transport and overload protection
- ◆ low maintenance effort

Option

- ◆ HD-Model(heavy duty) for heavy loads
- ◆ Stainless steel design
- ◆ Velocimetry wheel
- ◆ Rotary encoder for installation at tail pulley

Specifications

The BW10 belt-scale consists of a robust frame. Due to its flat and modular construction the scale can be integrated into nearly every existing conveyor belt system. The precise load cell inside the frame is protected against shock loads by a mechanical overload device.

The material flow causes a load via the belt onto the idler. This is picked up by the weighing frame and induced into the high-precision load cell. The weight signal is normalized by the instrumentation and multiplied with the belt speed, which is detected by a robust velocity wheel. The instrumentation simultaneously displays the flow rate (t/h) and the absolute quantity (t). Three counters and various inputs and outputs are available.

Specification

BW 10 Weighing Frame*

<p>Material steel, powder coated RAL 5010 optional stainless steel</p> <p>Operating conditions und Material property operating temperature -10°C up to +50°C.</p> <p>Velocity wheel gummed wheel 15 pulses / rotation, 33.33 mm/pulse 10 unto 30 V supply voltage protection class: IP67 optional in stainless steel available</p>	<p>Supply Voltage 5VDC clocked circuit via electronics</p> <p>Sensor full bridge Strain Gauge (OIML C3 quality) combined error 0.03% protection class IP68, optional ATEX</p> <p>Accuracy dependant on work enviroment and installation conditions typical system accuracy +/- 1.0 - 2.0 % of measuring range (higher accuracy after adjustment of the technical details possible)</p>
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Display Installment HW-IT6000 Belt

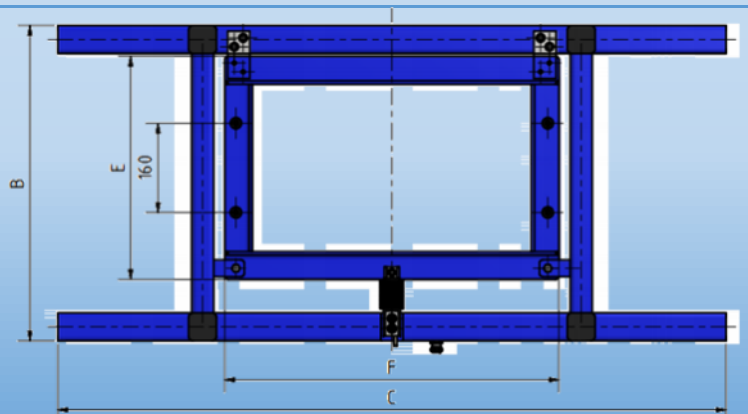
<p>Enclosure stainless steel, protection class IP67 wall or panel mounting</p> <p>Dimensions 265 x 204 x 69mm (excl. clamp)</p> <p>Weight 2.95 kg</p> <p>Display colour display incl. trenddisplay kg/h, Σ kg (3 counters) fault message on display</p> <p>Supply Voltage 110-240 VAC with 50-60Hz or 12-28 VDC</p>	<p>Control Unit membrane keyboard, numeric and function keys</p> <p>User Language German, English, Polish, Russian, Turkish</p> <p>Input full bridge strain gauge optional transistor input channel</p> <p>Optional Outputs analogue output 4-20mA counting impulse transistor output channel Profibus, ModBus TCP as Slave</p> <p>Operating Conditions operation temperature -10°C up to +40°C.</p>
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Product variety

Product Number	Item
HW960/00100	Belt Scale BW10 steel, powder coated, incl. electronics
HW960/01100	Belt Scale BW10 stainless steel, incl. electronics
HW961/00000	Velocity wheel for belt scale BW, steel, powder coated
HW961/01000	Velocity wheel for belt scale BW, stainless steel
HW961/00001	Impulse rotary encoder for belt scale BW

Dimensions

The Dimensions of the frame will be customized to the conveyor belt.



*Delivery excl. idler

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