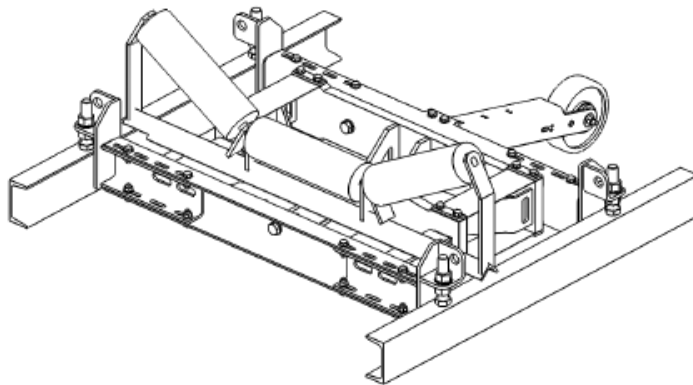


The **WPC1 automatic conveyor scale** is designed for flow weighing and summing up loose materials transported on a conveyor belt. The universal mounting system and small footprint allow the scale to be used on the vast majority of typical belt conveyors. The rigid construction and the mechanism based on flat springs forming a parallelogram frame ensure exceptionally reliable measurement and trouble-free operation.

Advantages:

- Rigid and reliable construction with telescopic arms allows for perfect adjustment to the spacing of the conveyor support frames.
- No levers.
- Very high accuracy.
- Possibility of adjusting the level of the rollers.
- Use of only 1 strain gauge sensor.



TECHNICAL PARAMETERS OF THE SCALE

- Flow rate up to 4,000 t/h.
- $\pm 1 \div 2\%$ within the range of 20-100% of nominal load.
- Belt width 500 ÷ 1200 mm.
- Maximum ambient temperature up to 50 °C.
- Measuring bridge length from 500 mm to 1500 mm.

CONVEYOR REQUIREMENTS

- Inclination up to $\pm 20^\circ$.
- 1 or 3-roller system.
- Setting of sets in a 3-roller system up to 35° .
- Radial runout tolerance of rollers 0.2 mm within the scale.
- Gravity tension.
- Covers against atmospheric factors (wind, rain, snow).

MEASURING SYSTEM

- The scale is based on one C3 class strain gauge sensor made of stainless steel with IP68 protection rating.
- The strain gauge sensor is located centrally inside a parallelogram frame constructed of flat springs. It is protected against mechanical overload.
- The scale comes with a speed sensor in the form of a CPW, CPE, or Whirligig tachometric pin.



CONTROL SYSTEMS

- 1020.
- SGM800.
- Flex 2100/Flex.

DOSAGE RANGE

The scale is made of carbon steel, powder coated with polyester paint. Upon request, it can be made:

- With a C5 paint coating class.
- From 304 stainless steel.
- From electrochemically galvanized steel.

ADDITIONAL OPTIONS

- Possibility to control material flow on the conveyor.
- Possibility to control material portion loading.
- Designed for Ex explosion hazard zones.
- Legalization.

