



For permanent monitoring, Almex Global Services staff can permanently install this equipment and remotely monitor their conveyor belt anywhere in the world.

TRUWEIGH

BELT SCALE SB-BW

The **EMSYS TRUWEIGH Belt Scale** is a compact and robust system engineered to determine flow rate, calculate the total amount of material as well as provide load profiles for the conveyor. EMSYS TRUWEIGH Belt Scale is designed to withstand harsh weather and outdoor conditions. The simple but rugged design, quick and easy installation, and requiring limited maintenance makes the SB-BW the ideal option for weighing material.

FEATURES:

- Weighing beam is integrated into an idler set
- conveyed material applies a force proportional to weight on the roller and is read by the load cells
- Simultaneous belt speed readings with weight
- Weight and speed recordings provide the flow rate

SPECIFICATIONS:

Belt width: Standard 1000 mm - 2500 mm

Belt speed: 0.5 m/s - 5 m/s

Inclination: $\leq 20^\circ$ from the horizontal at fixed incline
(no relative material movement) $\geq 20^\circ$ by reduced accuracy

Profile of roller bracket: $40^\circ < 45^\circ$ by reduced accuracy

Spacing from neighbored: 0.6 m – 1.5 m

Roller brackets IP-Code: IP 65

Accuracy*: $\pm 0.5\%$ of actual flow rate
 $\pm 1\%$ of maximum flow rate

Design: Standard and ATEX [Ex I M2 EEx ib I]

*XSpecified accuracies refer either to Maximum Flow Rate or to the corresponding Actual Flow Rate (Range: +25% to -100 %)

SA

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