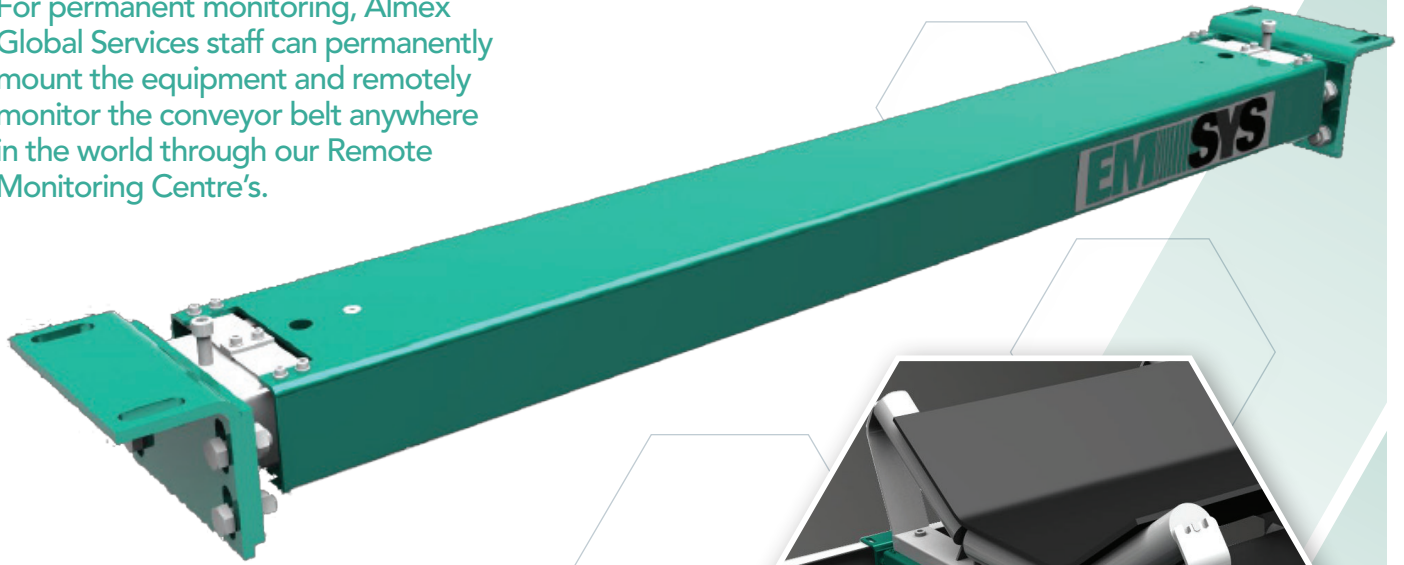


For permanent monitoring, Almex Global Services staff can permanently mount the equipment and remotely monitor the conveyor belt anywhere in the world through our Remote Monitoring Centre's.



# SB-BW

## BELT SCALE

The **EMSYS SB-BW Belt Scale** is a compact and robust system to determine the flow rate, calculate the total amount of material as well as provide load profiles for the conveyor. The **EMSYS 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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