

SINCE  
2080

## Weigh Belt Conveyor Scale

Brand: ADDAMS  
Designation: Weigh Belt Conveyor Scale.  
Model: WBCS Series  
Application: Weighing a continuous flow of products.



ADDAMS Weigh-Belt Conveyors find applications in processing mainly grain, food, cement, mine, and chemical industries to supply materials with the necessary flow rates accurately and continuously.

The system's indicators utilize Wheatstone bridge-based load cells for weight measurement and encoders coupled to the shaft for speed measurement. By using the PID (Proportional-Integral-Derivative) closed-loop control method, the belt's speed is adjusted to reach the desired flow rate. At the same time, the realized flow rate is transferred to the central control room either analog or digitally. This enables the raw materials to be fed to the mill according to the recipe selected.

The operating state of the indicator, target, and realized flow rates, total material passed, and error and warning messages can be viewed and set on the operator display of the indicator or remotely on the operator display of the central control unit PLC.

It is certified according to the 2014/32 AB Directive

Model	WBCS -100	WBCS -150
Capacity	0,1 - 9 t/h	0,5 - 20 t/h
Belt Width	70 cm	85 cm
Filling Edge	20 x 25 cm	25 x 35 cm
Motor Output	0.37 kW	0.75 kW
Belt Range	0.01 - 0.2 m/s	0.01 - 0.2 m/s
Roller Diameter	160 mm	160 mm
Load Cell	2	2
Constriction	Stainless Steel, Steel	Stainless Steel, Steel
Usage of Sector	Food, Chemistry	Food, Chemistry, Cereal
Accuracy	± %0.5 - ± %0.25	± %0.5
Operating temperature interval	30	30
Belt Material	PVC	PVC

**Options;**  
EtherNet / IP  
Communication Card  
Modbus TCP  
Communication Card  
Profibus Communication  
Card (DP slave)  
Profinet IO  
Communication Card  
RS232 & RS485/RS422  
Serial Communication  
Card (Modbus)

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