



#### Reliable

Reliable measurement despite changing belt tension and vibrations

#### Cost effective

Optimal mass flow measurement allows exact accounting of bulk solids

#### User friendly

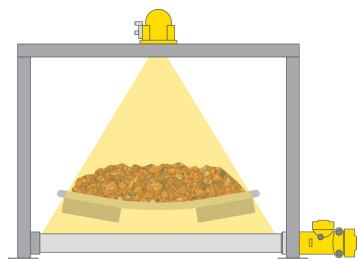
Maintenance-free operation

## Conveyor belt

### Mass flow measurement on conveyor belts

Bulk aggregates are fed into production processes via conveyor belts or screw conveyors. For effective feed control to and from these processes, or inter-production unit billing, the mass flow of the conveyed bulk material must be measured. A reliable belt-weighing scale system and mass flow rate ensures accurate measurement and smooth operation of the plant.

[More details](#)



### WEIGHTRAC 31

Radiometric mass flow measurement of solids on conveyor belts

- Reliable measurement, independent of dust and dirt
- Accurate and repeatable mass flow measurement
- Wear-free, contactless weighing

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**Measuring range - Distance**

-

**Measuring range - Pressure**

-

**Process temperature**

-40 ... 60 °C

**Accuracy**

1 %

**Materials, wetted parts**

No wetted material

**Seal material**

no media contact

**Housing material**

Aluminium  
Stainless steel (precision casting)

**Protection rating**

IP66/IP67

**Output**

Profibus PA  
Foundation Fieldbus  
Four-wire: 4 ... 20 mA/HART

**Ambient temperature**

-40 ... 60 °C