



#### 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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#### VEGASOURCE 31

Source holder as receptacle for the radiation capsule

- High operational reliability with pneumatic actuation of the source holder
- Effective shielding allows minimal use of control areas
- Minimal space requirement and simple installation

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**WEIGHTRAC 31**  
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**Measuring range - Distance**

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**Measuring range - Pressure**

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**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

**VEGASOURCE 31**  
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**Ambient temperature**

-20 ... 80 °C