



## Conveyor belt

### 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

### 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.



### WEIGHTRAC 31

Radiometric mass flow measurement of solids on conveyor belts

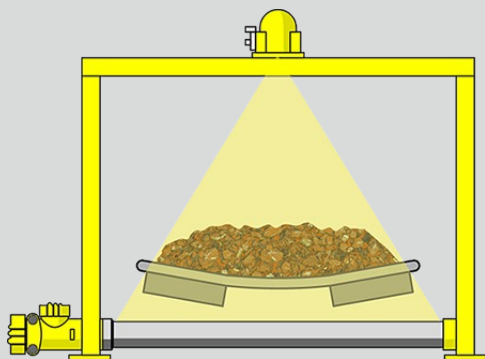
- Reliable measurement, independent of dust and dirt
- Accurate and repeatable mass flow measurement
- Wear-free, contactless weighing



### 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





#### WEIGHTRAC 31

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

IP 66/IP 67

Output

Profibus PA

Foundation Fieldbus

4 ... 20 mA/HART - four-wire

Ambient temperature

-40 ... 60 °C

#### VEGASOURCE 31

Ambient temperature

-20 ... 80 °C