



#### Reliable

Reliable mass flow measurement, unaffected by environmental influences

#### Cost effective

Long service life thanks to robust measuring system

#### User friendly

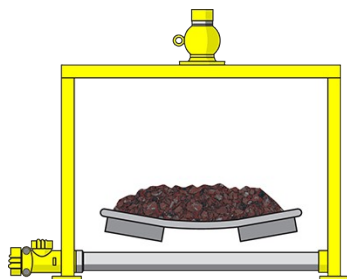
Simple installation on existing conveyors

## Conveyor belts for coal

### Mass flow measurement on conveyor belts

For optimal quantity measurement of the coal being conveyed to the power plant or to the individual boilers, a continuous flow of material must be ensured. Throughput measurement on the conveyor belts accurately determines the amount of coal transported.

[More details](#)



#### WEIGHTRAC 31

The radiation-based measuring system delivers reliable mass flow data, thus enabling optimization of coal throughput

- Maintenance-free through non-contact measurement
- Reliable mass flow measurement, unaffected by environmental influences
- Long service life thanks to non-contact measuring system

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#### VEGASOURCE 31

The source container holds the radiation capsule and protects it from external influences

- Minimal space requirements and simple mounting
- Pneumatic opening and closing ensures high operational safety
- Dependable shielding also allows use without a control area

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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

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

-20 ... 80 °C