



#### Reliable

Reliable monitoring of belt loading

#### Cost effective

Optimal equipment operation

#### User friendly

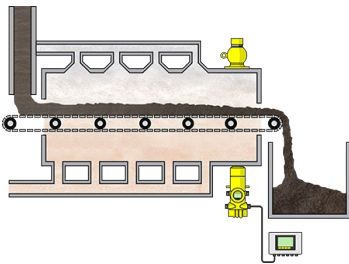
Simple external installation

## Sludge drying

### Measurement of belt loading and mass flow in a thermal sludge drying facility

Through drying, the weight and volume of the sludge is further reduced. In the thermal drying unit, which is equipped with a belt drier and a hot (+80 to +130 °C) air stream, water is removed from the sludge through evaporation. The continuous monitoring of belt loading is done by means of radiometric, i.e. radiation-based, measurement - this technique allows optimal, cost-effective dryer control.

[More details](#)



#### MiniTrac 31

Continuous monitoring of belt charging

- Non-contact measurement of the sludge level in the dryer
- Simple retrofitting during operation
- Optimal, cost-effective dryer control

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#### VEGASOURCE 31

Source holder with locking mechanism

- Reliable shielding allows use without control area
- Small footprint and easy installation
- Operational reliability through pneumatic on and off switching

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#### VEGAMET 861

Controller for powering the sensor, processing and displaying the measured values

- Clear, easy-to-read, user programmable display
- Robust housing designed for the harsh conditions in the field
- Universal controller for water and wastewater applications

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**MiniTrac 31**  
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**Measuring range - Distance**

-

**Process temperature**

-40 ... 60 °C

**Process pressure**

-

**Accuracy**

0.1 %

**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

**VEGAMET 861**  
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**Protection rating**

IP66/IP67, Type 4X

**Input**

1 x 4 ... 20 mA/HART sensor input  
 2x digital input

**Output**

1 x 0/4 ... 20 mA current output  
 1x failure relay (instead of operating relay)  
 4x operating relay

**Ambient temperature**

-40 ... 60 °C

**Measured value memory**

Internally  
 SD card