Reliable

Reliable monitoring of belt loading

Cost effective

Optimal equipment operation

User friendly

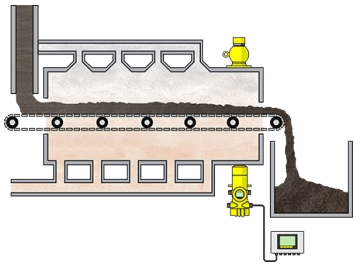
Simple external installation

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

Show Product

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

Show Product

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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PRO

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

Show Product

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