



#### Reliable

Reliable buildup measurement despite high temperatures

#### Cost effective

Monitoring the formation of buildup ensures high availability of the cyclone

#### User friendly

Simple external mounting

## Cyclone

### Buildup measurement in cyclones

In clinker production, cyclones are used to preheat the raw meal. Before the raw meal enters the rotary kiln it is preheated to +900 °C in the cyclone. Constant monitoring of the buildup thickness on the walls ensures a continuous process.

[More details](#)



#### SOLITRAC 31

Radiometric measurement of buildup in cyclones

- Exact measuring results, independent of process conditions
- High process reliability through buildup detection
- High plant availability thanks to non-contact measurement

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#### VEGASOURCE 31

Container for radioactive source capsules

- High operational safety ensured through pneumatic opening and closing of source holder
- Comprehensive shielding reduces size of controlled areas
- Minimal space requirements and simple mounting

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**SOLITRAC 31**  
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**Measuring range - Distance**  
 3 m

**Process temperature**  
 -

**Process pressure**  
 -

**Accuracy**  
 $\pm 0.5 \%$

**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