Reliable

Reliable operation despite extreme process conditions

Cost effective

Density measurement from the outside, without invasive changes to the pipe

User friendly

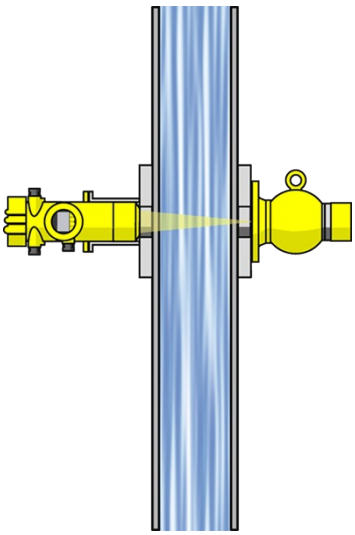
Optimized for the application, long-term maintenance-free measurement

Pipeline in the liquor recovery process

Density measurement in liquor recovery

The black liquor resulting from pulp cooking is regenerated and fed back into the digester. Liquor regeneration comprises several process steps. The processes take place at high temperatures and pressures; the media are aggressive and sometimes abrasive. Density measurement of the liquor in the pipelines is required for eco-friendly and energy-efficient process control.

More details



MINITRAC 31

Density measurement with radiation for energy-efficient liquor regeneration

- Enables automation of liquor regeneration process
- Non-contact measurement right through the vessel wall
- Maintenance-free operation

Show Product

VEGASOURCE 31

The source holder serves as a housing for the radiation capsule and protects it from external influences

- Minimal space requirements and simple mounting
- Operational reliability and safety with pneumatic shutter on the source holder
- Optimum shielding allows use without a restricted access area

Show Product

PRO

MINITRAC 31 Show Product

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 Show Product

Ambient temperature -20 ... 80 °C