



## Application:

### Density measurement for Biogas- and Sewage plant

Even during the fermentation process, it is important to create an optimal composition in the treatment basin. Only in this way the required concentration and hence an optimal fermentation process can be achieved. For these applications, the concentration measurement with the microwave transmission method is the most appropriated.

**Measurement:** The microwave measurement detects the water content of any medium and so, suggests the density respectively the concentration (TS, %, kg/L). The measurement is directly inside the pipeline. In cause of this, you get a representative measurement of the rate of flow.

**The process:** In the treatment basin the substrate is collected and a suitable concentration is provided. Via an inlet, the substrate is conveyed into the fermenter in which the fermentation process begins, and finally ends to the production of biogas.



## The advantages:

- product contactless realtime measurement
- no bypass needed
- high reproductability and representativeness
- maintenance free and no influence by purity

