

# BIOGAS TEST AND BIOREACTOR PLANTS



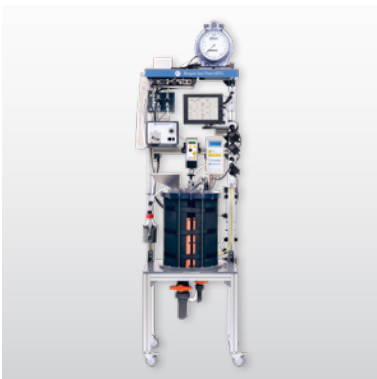
## INNOVATIVE AND CUSTOMIZED BIOGAS TEST EQUIPMENT

The BTP (Biogas Test Plant) Series by UIT offers standard and customised solutions with the flexibility of a modular system. We support you in application-oriented research to improve process understanding and increase efficiency in biogas production.

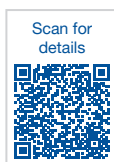
### Advantages of our BTP2 Series:

- ✓ Innovative product solutions based on high quality hardware and software
- ✓ Systems available in various dimensions, from laboratory to pilot and container scale
- ✓ Worldwide delivery

## BTP2 Biogas Test Plants



5 to 60 litres



80 to 150 litres



400 to 1000 litres



- ✓ Different reactor sizes available from 5 to 1000 litres
- ✓ Equipped with online measurement technology (gas quantity, gas quality, pH, redox, temperature,...)
- ✓ Equipped with silicon heating mats and powerful agitator systems
- ✓ SENSOcontrol data acquisition and control system allows to connect UIT tube pumps for pH-control or excentric screw pumps for feeding and discharge
- ✓ Measured data can be stored in the SENSOweb-cloud with worldwide access



## BTP2 Analyzer

- ✓ Available in the same reactor sizes (from 5 to 1000 litres)
- ✓ Additionally equipped with gas analysing systems with automatic functionality
- ✓ SENSOcontrol for data acquisition and control of the measurement equipment
- ✓ Measured data can be stored in the SENSOweb-cloud with worldwide access



## BTP2 Control

- ✓ Available in the same reactor sizes (from 5 to 1000 litres)
- ✓ Additionally equipped with a gas analysing system with automatic functionality usable for up to 8 reactors
- ✓ SENSOcontrol for data acquisition and control of the measurement equipment
- ✓ Measured data can be stored in the SENSOweb-cloud with worldwide access



## BTP2 Methanation

- ✓ Laboratory and pilot plants for biological methanation
- ✓ Designed and manufactured according to customer specifications
- ✓ Mass flow controller for defined injection of the gas
- ✓ Gas quality measurement system with additional H<sub>2</sub> sensor up to 100% range



## Biogas Container

- ✓ Customized and transportable solution for Biogas Test Plants on pilot scale
- ✓ Individually engineered and equipped
- ✓ Use of 20 ft or 40 ft container with isolation, air condition and gas warning system



*Equipping status will be defined with the quotation.*