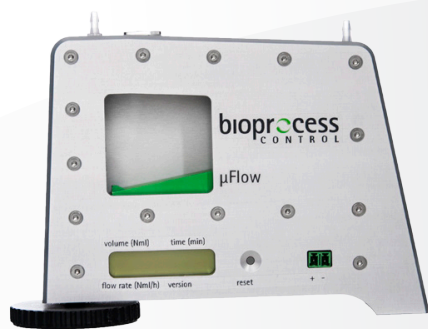


An overview of Bioprocess Control's product portfolio



bioprocess
CONTROL

www.bioprocesscontrol.com

A biogas laboratory technology leader

Bioprocess Control has developed a portfolio of efficient biogas laboratory technologies designed for a range of environments, from onsite testing to the most demanding biogas labs. These technologies cover the areas of substrate analysis, process simulation, low gas flow measurement, integrated data logging and control solutions, as well as provide customers with a wide variety of reactor configurations

5
products

AMPTS II

Determine the true methane potential

The Automatic Methane Potential Test System (AMPTS) II allows users to determine the true biochemical methane potential and dynamic degradation profile of any biomass substrate. This in turn will allow users to more easily determine the optimal retention time and mix of substrates for co-digesting, screen proper pre-treatment methods, and evaluate the need for additives.



Network ready and with remote access

Biogas Endeavour

Determine a substrate's true energy content

The Biogas Endeavour allows users to determine the biogas potential and dynamic degradation profile of any biomass substrate. This in turn will allow users to select and price a substrate according to its true energy content of biomass, thus helping to ensure a good control of substrate economy for biogas plants.



Network ready and with remote access

A cloud based simulation platform

Secure and reliable data logging and storage

BioReactor Simulator

Simulate continuous processes

The BioReactor Simulator is a universal platform for simulating at laboratory scale anaerobic fermentation processes in a continuous mode of operation. The system is controlled by a web-based software running on an efficient cloud computing solution accessible from any computer or mobile device with an internet connection.



Easy adaptation to various reactor configurations

µFlow

Ultra low gas flow measurements

The µFlow is a compact and elegant instrument for measuring ultra-low gas flows with high precision. The µFlow has been designed for the on-line, real-time monitoring of all inert and slightly aggressive gases, over a wide detection range and for most indoor laboratory scale applications. Suitable applications include biogas process studies, ethanol fermentation, dark fermentation for bio-hydrogen, and leak rate detection.



Automatic data logging device is available

Bioreactors

A series of CSTR bioreactors

Bioprocess Control has developed a series of continuous stirred tank reactors (CSTR) specifically designed for scientists and process engineers to simulate full-scale fermentation processes in laboratory- or small pilot-scale. Today, the company offers 2 size options (5 and 10 liters) and 3 different configurations. The Bioprocess Control CSTR bioreactors are well engineered to meet the needs of the most demanding biogas labs.



Flexible and modular design for wide applications