

ANKOM^{RF} GAS PRODUCTION SYSTEM

Wireless Gas Production Measurement

- Easily Measure Kinetics of Microbial Metabolism
- Examination of Biodegradability
- Biological Oxygen Demand (BOD)
- Real Time Remote Computer Interface
- High Sensitivity Pressure Measurement
- Continuous Computer Control
- Modular and Expandable (up to 50 modules)
- Gas and Liquid Sampling Capability

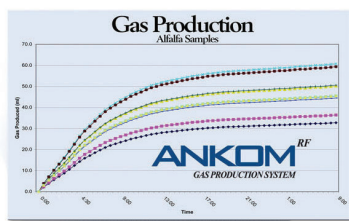
The ANKOM^{RF} Gas Production System provides an easy to use method for monitoring gases produced. The system consists of sample bottles available in 250ml, 500ml or 1000ml sizes, RF pressure sensor modules, a computer interface base coordinator and operational software that can be used with any PC using a Windows XP™ or Vista™ based operating system. Samples and microbes (or other sources) are placed in the bottles, the RF sensor module is attached and placed in an incubator. The pressure of each bottle can be measured and tracked at user selected time intervals. Pressure measurements are recorded on a standard Excel spreadsheet and gas production curves can be generated. Pressure can be outputted in psi or bar. Any application requiring the monitoring of gas production or vacuum (BOD) can be supported. The system has been used in ruminant studies, fermentation of organic materials and methods for examination of the biodegradability of a substance. Each module supports gas sampling and optional liquid sampling during the process.

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ANKOM Technology can support your needs for water baths and laptop/PC's as needed. Ask for details.

Specifications



Easy Data Conversion to Gas Production Curves



2-Way RF Communication



RF Data Collection up to 100'

Low Cost Starter Kit Available!



RF sensors communicate with a computer (not included) to capture data based on user selected parameters.

The program allows individual settings for each sample jar, to include: frequency of pressure readings, pressure release points and length of experiment.

The system provides constant feedback on outgoing pressure readings and more.

Product Specifications:

Measuring Principle:
Manometric

Cumulative Pressure Range:
-10.0 to 500.0 psi
(bar equivalent included)

Accuracy:
± 1% of measured value

Resolution: ± 0.04

Module Height:

w/250ml bottle	20.3 cm
w/500ml bottle	24.1 cm
w/1000ml bottle	29.1 cm

Diameter (without bottle): 7.2 cm

Jar Capacity:
250ml, 500ml and
1000ml available

PC Link: Radio Frequency

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ANKOM Technology is the developer of Filter Bag Technology (FBT) used around the world for fiber and fat analysis. With customers in over 85 countries, ANKOM has a reputation for quality and innovation. Constantly seeking to develop better methods for time-consuming analytical methods, ANKOM Technology focuses on customers' needs. We offer instruments, chemicals and other ancillary products to support fiber studies, crude fat extraction, total fat extraction, *in vitro* and *in situ* research and more. We work hard to keep costs low with quality and service high.

ANKOM

TECHNOLOGY

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