

ANKOM ^{RF} GAS PRODUCTION SYSTEM

WIRELESS GAS PRODUCTION MEASUREMENT

The ANKOM RF Gas Production System easily measures gas pressure from anaerobic and aerobic microbial activity.



REAL TIME MONITORING

Get feedback instantaneously. RF sensors capture and log data based on user-selected parameters. The software allows individual control of each module, including frequency of sensor readings, pressure release points, measurement units (psi and mbar), and temperature. The software's auto-graphing capability provides real-time results. All data is exportable to Microsoft Excel for easy analysis.

SAMPLING CAPABILITIES

The ANKOM RF provides automated vent control, as well as gas and liquid sampling capability. All sample bottles can be fitted with a septa port for sampling headspace or liquid aliquots during the experiment.

MODULAR

The RF system is expandable up to 50 modules per system and up to 10 systems simultaneously, allowing for a total of 500 modules. This modular design allows for multiple environments in a single study.

MULTIPLE APPLICATIONS

Ruminant Nutrition

Monogastric Animal Nutrition

Human Digestion

Soil Analysis

Bio-energy / Bio-fuel

Brewing Science

Yeast Activity/Dough Rising



The RFS includes

- Five Gas Production Modules with Rechargeable Batteries
- Five 250 ml Bottles (one with a septa port)
- Remote Module Zero
- System Software
- Base Coordinator with USB cable
- Ten-Station Battery Charger
- Valve Cleaning Kit
- Positive Control Capsules

PRODUCT SPECS

MEASURING PRINCIPLE

Manometric

CUMULATIVE PRESSURE RANGE

-10.0 - 500.0 psi (bar equivalent included)

ACCURACY

+/- 1 % of measured value

RESOLUTION

+/- 0.04

AVAILABLE BOTTLES

Standard GL-45 thread lab safety bottle fittings in the following sizes:

100 ml
250 ml
500 ml
1000 ml
1.8 L

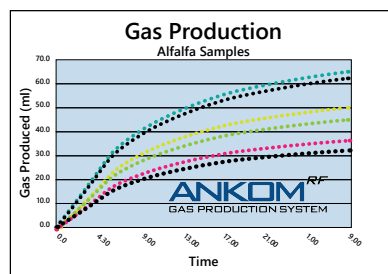
MODULE HEIGHT

250 ml bottle	20.3 cm (8")
500 ml bottle	24.1 cm (9.5")
1000 ml bottle	29.1 cm (11.5")

DIAMETER (without bottle)

7.2 cm (2.8")

TEMPERATURE SENSOR: +/- 2 degrees C



Easy data conversion to gas production curves



Two-way RF communication

