

## Technical specification

### Automatic Methane Potential Test System (AMPTS)

#### Reactor setup

Maximum number of analysis per batch: 15  
 Reactor Material: glass  
 Standard digester volume: 500ml  
 Dimension of water bath: 67,5x43x21,5cm (20 L)  
 Temperature control: up to 110°C (stability of +/- 1°C)  
 Mixing: mechanical mixing (adjustable interval)

#### Volume measuring device

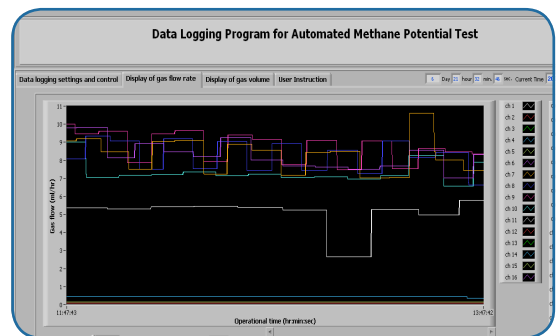
Principle: liquid displacement  
 Up to 15 cells running in parallel  
 Automated data logging and display  
 Measuring range: min. 0.4 ml & max. 10 L per hour  
 Measuring resolution: 13 ml  
 Dimension of water bath: 41x26x25cm  
 Housing: aluminium and plastic  
 Accuracy: ±2%

#### CO<sub>2</sub> fixing

Possible to connect 15 reactors  
 Magnetic stirring (15 magnets included)  
 Dimension of stirring device: 24x42x4cm  
 Fixing liquid: NaOH, 3M (not included)

#### General

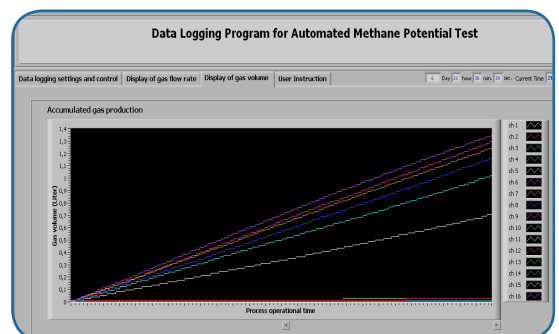
Mixing power supply: 5 VDC/3A  
 Data acquisition: through PC  
 PC and DAQ hardware and software included  
 Usage: indoor  
 Tubing material: tygon



Display of Gas Flow Rate



CO<sub>2</sub> Fixing



Display of Gas Volume

