

Technical specification

Automatic Methane Potential Test System (AMPTS)

Reactor setup

Maximum number of analysis per batch: 15
 Material: glass
 Standard digester volume: 500ml
 Dimension of water bath: 60x30x30cm (54 L)
 Temperature control: up to 50°C
 Mixing: mechanical mixing (adjustable rate/interval)

Volume measuring device

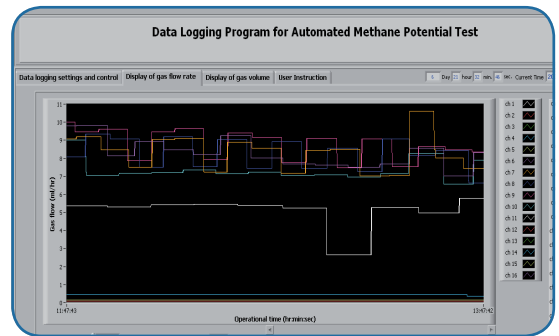
Principle: liquid displacement
 Up to 15 cells running in parallel
 Automated data logging and display
 Measuring range: min. 0.4 ml & max. 10 L per hour
 Measuring resolution: 13 ml
 Dimension of water bath: 50x30x30cm (45 L)
 Housing: aluminium and plastic
 Accuracy: ±2%

CO₂ fixing

Possible to connect 15 reactors
 Magnetic stirring (15 magnets included)
 Dimension of stirring device: 24x42x4cm
 Number of stirring magnets included: 15
 Fixing liquid: NaOH

General

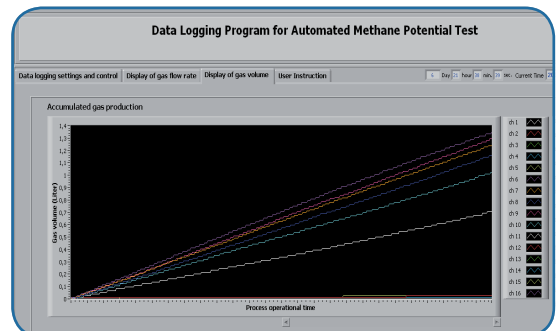
Mixing power supply: DC-regulated 0-30 VDC/0-5A
 Data acquisition: through PC
 PC and DAQ hardware and software included
 Usage: indoor
 Tubing material: tygon



Display of Gas Flow Rate



CO₂ Fixing



Display of Gas Volume

