



# ENERBON Sdn. Bhd.

Reg. 908507-V

... your Partner for complete customized concepts in **CDM Monitoring Automation** with **High Performance Gas Analyzer** ...

Competence <> Engineering <> CDM <> Documentation <> Service



## Gas Analyzer

CH<sub>4</sub>, CO<sub>2</sub>, O<sub>2</sub>, H<sub>2</sub>S, H<sub>2</sub> and other sensors on request

“ALL in ONE”



**AwifLEX** and **AwieCO** are the high performing and cost competitive answer to local process requirements for gas analyzers.

Main applications are in **Biogas** and **Landfill Gas** Plants as well as **Coal Bed Methane** for **process optimization** or even **CDM Monitoring** for **WET** and **DRY Gas** monitoring applications.

AwieCO represent the cost efficient solution for single or double parameter discontinuous measurement to control and optimize your process:

- > Cost efficient
- > Methane Production, Oxygen level
- > H<sub>2</sub>S Scrubber efficiency (IN / OUT)

AwifLEX represent the working horse and high end product.

- > Multiple Parameter and Sampling points
- > Uncertainty < 0.6% and 0.0% drift
- > Analog / Digital Communication

Service Competence Center in Kuala Lumpur !



ENERBON Sdn Bhd (Reg. 908507-V )

Your specialist in Process Gas Analyzer, Automation and CDM Monitoring.

We are exclusive and competent sales and service partner of AWITE Bioenergy GmbH, Germany, for Malaysia and Indonesia. In addition to the analyzer, we provide training, services and spare parts. The application ranges from **Biogas**, **Landfill Gas** and **Coal Bed Methane** until complex and traceable **CDM Monitoring** with extensive documentation.

References EXAMPLES of AWITE / ENERBON Gas Analyzers as of now:

- Endress+Hauser: **AwifLEX is integrated in CARBOSYS**
- CST, Mistral Project: **Cost Efficient CDM Monitoring**
- Indonesia, MEDAN: **Service for CDM Monitoring Re-Calibration Performed January 2011: SUCCESSFUL**  
 > Deviation after 1 year in operation: < 1.0%  
 > After re-calibration and adjustment deviation < 0.0 %



**Main Features:**

**Parameter Selection**

CH4: 0-100 Vol. % ± 0.2 Vol. % repeatability, ± 1.5 Vol. % drift / year ... Optional ± 0.6 Vol. % abs. uncertainty

CO2: 0-100 Vol. % ± 0.2 Vol. % repeatability, ± 1.5 Vol. % drift / year ... Optional ± 0.6 Vol. % abs. uncertainty

H2S: 0-20ppm to 0-5000ppm with ± 0.5 to 50ppm repeatability, ±2.5 to 300ppm drift / year

O2 : 0-25 Vol. % ± 0.02 Vol. % repeatability, ± 2.5 Vol. % drift / year ... Optional ± 0.6 Vol. % abs. uncertainty

**Gas Inlet**

1-5 Gas Sampling Points (>5 optional) with Discontinuous OR Continuous Sampling

**Communication**

7" Touch Screen Industrial PC with Human Machine Interface, Connections RS232, USB, Ethernet

4-20mA Analog ... Optional Digital Communication (Ethernet IP, Profibus DP, Modbus RTU, TCP/FTP)

**Protection, Power**

IP54, installation in Non-hazardous Area, protected from rain/sun, 100-240V AC, 45-60Hz, 100W



Our Competence ... your Benefit & Added Value:

- MONEY:**
- > Cost Efficient Analyzer for basic as well as high end application
  - > Best uncertainty for CER yields in CDM Monitoring
  - > High Availability due to competence and services
- QUALITY:**
- > CDM Compliance, Traceability, Documentation and Services
- SUSTAINABILITY:**
- > Maintenance, Service and Spare Parts in Malaysia, Kuala Lumpur

For detailed information have a look in our brochure and feel free to contact you for any questions.

Contact:

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