

Biogas Questionnaire

In order to provide you with the most effective solution, would you please fill in the below questionnaire.
Once completed, you could send it by mail at : contact@dagil.fr or by fax at : 33 (0)9 70 60 01 02

1. CUSTOMER REFERENCES/INFORMATIONS CLIENT

Name _____ Phone _____
 Company _____ Fax _____
 Address _____
 e-mail _____ Date _____

2. GAS COMPOSITION

Components/ Composants	Sample stream 1 1er échantillon	Sample stream 2 2ème échantillon <i>If applicable</i>	Sample stream 3 3ème échantillon <i>If applicable</i>
gas composition including their max concentration (i.e. N ₂ , Ar, He, H ₂ , H ₂ O etc...)	_____ _____ _____	_____ _____ _____	_____ _____ _____
Gas 1 to analyze: FS: Full Scale	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____
Gas 2 to analyze: <input type="checkbox"/> Not used FS: Full Scale	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____
Gas 3 to analyze: <input type="checkbox"/> Not used FS: Full Scale	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____
Gas 4 to analyze: <input type="checkbox"/> Not used FS: Full Scale	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____
Gas 5 to analyze: <input type="checkbox"/> Not used FS: Full Scale	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____	<input type="checkbox"/> % <input type="checkbox"/> ppm Max conc. _____ Min conc. _____ Normal conc. _____ Requested FS/ _____

In case of two or more streams, do you need: Manual selection Automatic selection

Dew Point (°C): _____

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Presence of particulates (mg/m³) in the sample: No Yes (if yes, specify below amount and type)

If, above answer is yes, but unknown characterisation, do you need : mass(mg/m³) size (nb/m³) thresholds at 0.5,1.0,5.0 and 10.0µm

Acid gases in the sample: No Yes (if yes, list the acid gases including max conc.)

Solvents in the sample: No Yes (if yes, list the solvents including max conc.)

3. FEATURES OF SAMPLE

Sample temperature at take off: Max. _____ Min. _____ Normal _____ U. of Meas. _____

Sample pressure at take off: Max. _____ Min. _____ Normal _____ U. of Meas. _____

Sample vent: To atmosphere Back to the process Pressure at point of return (if applicable): _____

Is it necessary to cool down the gas sample to ambient temperature or even lower.(to avoid sample condensation)? No Yes
 Non OUI

Origin for biogas production : Landfill Sewage sludge Cogeneration Digestors Others

4. SITE INFORMATION

What is the distance from the sample tap point to the proposed system location? _____

Area classification at the tap point: Safe area Hazardous area

If hazardous, specify classification: Zone_(0,1,2,20,21,22) _____ Group (II A,B,C) _____ Class T. _____ Amb.T. _____

Area classification at the system location: Safe area Hazardous area

If hazardous, specify classification: Zone_(0,1,2,20,21,22) _____ Group (II A,B,C) _____ Class T. _____ Amb.T. _____

Maximum space available (if applicable): Width (mm): _____ Height (mm): _____ Depth (mm): _____

Electronic control unit: Mounted in field with the sensing Remote from the sensing

Distance between sensing and control unit (in meters) if a remote control unit is required: _____

Sensing and sampling mounting: On panel Epoxy painted cabinet AISI cabinet Protection required: _____
Classe IP/IK _____

Sensing and sampling location: Indoor Outdoor Ambient temperature: Max. _____ Min. _____

Availability of: Steam Cooling water Washing water Air (-30°C dew point; pressure > 5 bar)

Specify parameters: _____

Power: _____ V _____ Hz _____ Phase _____ Differential protection

5. SYSTEM OUTPUTS

The system will be provided with 4-20 mA output proportional to the selected range (from each analyser). Other outputs:

Serial communication (RS232C): No Yes

Alarms on concentration: No Yes Configuration → 2 high 2 low 1 high + 1 low

Low flow alarm: No Yes Autospan: No Yes Autozero: No Yes

Modbus TCP No Yes GPRS No Yes Internet No Yes

List any special requirement about outputs configuration:

6. OTHER RELEVANT INFORMATION

Has there been an attempt to perform this measure previous to this? If so, please explain what technique of measurement was used and list any difficulties that were encountered.

Please, provide a written description of the application (and attach a diagram if you have it). It's very important provide as much information on the environmental condition as possible, in order to receive a quotation that best matches with your needs.
