

Questionnaire/Checklist for enquiries

Gas analysis

| | | | |
|---|---|---|--|
| Company: | Project/enquiry: | | |
| Quantity | | | |
| Application | | | |
| Type of gas to be analysed (designation) | <input type="checkbox"/> Exhaust gas <input type="checkbox"/> Inert gas | <input type="checkbox"/> Flue gas <input type="checkbox"/> Process gas | <input type="checkbox"/> Natural gas <input type="checkbox"/> Ambient air |
| Fuel type (for flue gas measurement) | <input type="checkbox"/> Gas <input type="checkbox"/> Wood | <input type="checkbox"/> Oil <input type="checkbox"/> Other: _____ | <input type="checkbox"/> Coal <input type="checkbox"/> Waste |
| Composition of gas to be measured | Concentration range (physical unit)* | | Measured component** |
| | | | <input type="checkbox"/> |
| | | | <input type="checkbox"/> |
| | | | <input type="checkbox"/> |
| | | | <input type="checkbox"/> |
| | | | <input type="checkbox"/> |
| | | | <input type="checkbox"/> |
| | | | <input type="checkbox"/> |
| | | | <input type="checkbox"/> |
| | *mg/m ³ , ppm, % by vol. | | **Please tick |
| Measuring point | <input type="checkbox"/> Continuous measurement <input type="checkbox"/> Intermittent measurement (selectable) | | |
| Dew point of gas to be measured | _____ °C | | |
| Separation of water possible? | <input type="checkbox"/> No <input type="checkbox"/> Yes, gas cooler available <input type="checkbox"/> Yes, please offer gas cooler | | |
| Required temperature in gas paths | <input type="checkbox"/> Not heated <input type="checkbox"/> Frost protection <input type="checkbox"/> High temperature version (max. 200 °C) | | |
| Pressure of gas at sampling point | <input type="checkbox"/> Minimum _____ mbar <input type="checkbox"/> Mean _____ mbar <input type="checkbox"/> Maximum _____ mbar | | |
| Temperature of gas at sampling point | <input type="checkbox"/> Minimum _____ °C <input type="checkbox"/> Mean _____ °C <input type="checkbox"/> Maximum _____ °C | | |
| Sampling point | <input type="checkbox"/> Outdoor <input type="checkbox"/> In enclosed room <input type="checkbox"/> Ex zone at sampling point, Class: _____, Zone: _____, Group: _____ | | |
| Ambient temperature on site | <input type="checkbox"/> Minimum _____ °C <input type="checkbox"/> Mean _____ °C <input type="checkbox"/> Maximum _____ °C | | |
| Installation site | <input type="checkbox"/> Outdoor <input type="checkbox"/> In closed room <input type="checkbox"/> Ex zone at sampling point, Class: _____, Zone: _____, Group: _____ | | |
| Pollution of gas to be measured, e.g. tar fog, coal dust, fly ash, metal dust, etc. | _____ mg/m ³ _____ mg/m ³ _____ mg/m ³ _____ mg/m ³ | | |

Questionnaire/Checklist for enquiries

Gas analysis (cont.)

| | |
|---|---|
| Corrosive gas components (please indicate components and concentration) | <div>_____ % by vol./ppm</div> <div>_____ % by vol./ppm</div> <div>_____ % by vol./ppm</div> <div>_____ % by vol./ppm</div> |
| Length of gas pipe between sampling point and gas analyser | <input type="checkbox"/> Not heated _____ m <input type="checkbox"/> Heated _____ m |
| Number of measuring points | <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 |
| Output signals | <input type="checkbox"/> 4-20 mA <input type="checkbox"/> 0-10 V <input type="checkbox"/> 2-10 V <input type="checkbox"/> 0-20 mA <input type="checkbox"/> Interface: |
| Automatic calibration | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Type of measuring system | <input type="checkbox"/> Portable <input type="checkbox"/> Mobile Cabinet: <input type="checkbox"/> Wall mounting <input type="checkbox"/> 19" rack mounting <input type="checkbox"/> Sheet steel <input type="checkbox"/> Glass-fibre reinforced plastic Mounting frame/field devices: <input type="checkbox"/> Cabinet <input type="checkbox"/> Accessible container <input type="checkbox"/> Wall mounting |
| Measuring system | Emission measuring system: <input type="checkbox"/> No <input type="checkbox"/> Yes: <input type="checkbox"/> TA-Luft <input type="checkbox"/> 13th BImSchV <input type="checkbox"/> 17th BImSchV <input type="checkbox"/> 27th BImSchV <input type="checkbox"/> 30th BImSchV <input type="checkbox"/> Operational measurement Process measurement: <input type="checkbox"/> No <input type="checkbox"/> Yes: <input type="checkbox"/> Chemical/petrochemical industry <input type="checkbox"/> Other, specify industry: |
| Miscellaneous/ system sketch | |