

Application questionnaire

Laser gas analyser Dual-beam ZSS-D

Are you looking for a reliable solution to continuously analyse your industrial gases? With this application questionnaire for the ZSS laser analyser, we assist you in configuring your measurement system.

This analyser accurately detects the concentration of CO and CO₂ gases in combustion flue gases, with a very short response time, making it suitable for a wide range of industrial and environmental applications.

With direct installation on the chimney or gas pipeline (in-situ mounting), the ZSS provides an extremely fast response without the need for gas conditioning. Its high tolerance to dust also allows for measurements in environments where traditional sampling methods prove challenging.

Using the data from this questionnaire, our engineers will select the best combination for reliable and precise gas analysis. Please feel free to provide any additional information, either in writing or as a diagram, on the last page of this questionnaire or as an attachment, to help us understand the specific requirements of your process and further optimise the configuration of your analyser.

Your details

| | |
|-----------------------|----------------------|
| Company name > | <input type="text"/> |
| Site / project name > | <input type="text"/> |
| Site address > | <input type="text"/> |
| Country > | <input type="text"/> |
| Contact name > | <input type="text"/> |
| Telephone > | <input type="text"/> |
| Email > | <input type="text"/> |

General data

| | | |
|------------------------------|---|--|
| Industrial sector | > | <input type="text"/> |
| Process type | > | <input type="text"/> |
| Component measured | > | CO CO ₂ |
| ✓ Measuring range (%vol/ppm) | | |
| Component CO | > | Range: <input type="text"/> Unit: <input type="text"/> |
| Component CO ₂ | > | Range: <input type="text"/> Unit: <input type="text"/> |

Process conditions

✓ Parameter of target gas

| | Minimum value | Standard value | Maximum value |
|---|---------------|----------------|---------------|
| Concentration range of analysed component CO | | | |
| Concentration range of analysed component CO ₂ | | | |
| Temperature (C°) | | | |
| Pressure (kPa) | | | |
| Gas velocity (m/s) | | | |
| Moisture (vol%) | | | |
| Dusts (mg/Nm ₃) | | | |
| Other gas components (% vol/ppm) | | | |
| Other gas components (% vol/ppm) | | | |
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| Other gas components (% vol/ppm) | | | |

Ambient temperature > °C

* Receiver unit and transmitter unit

Ambient temperature > °C

* Control unit

Flange specifications > DN50/PN10 ANSI#150 2B

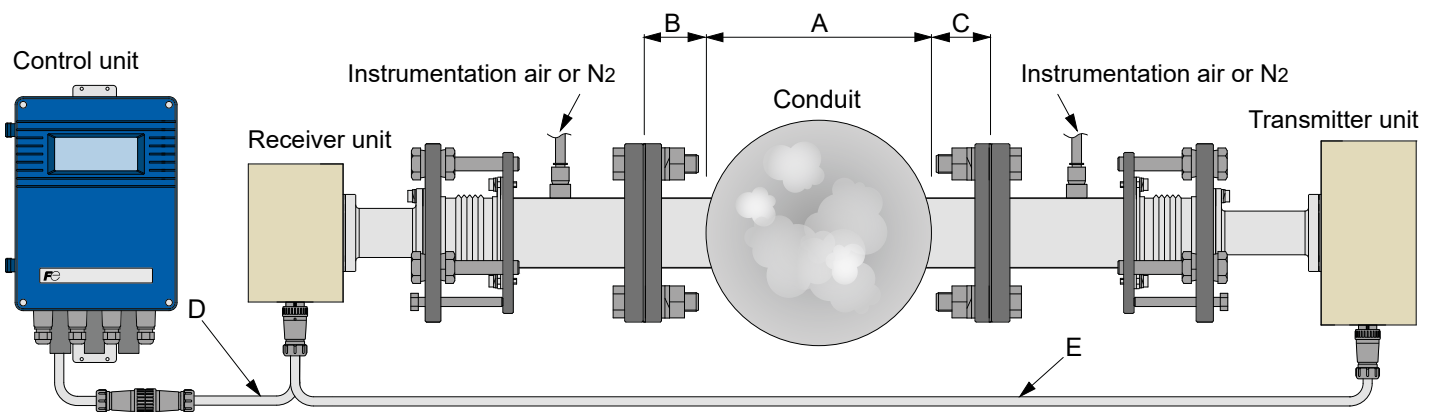
Stack inner diameter A (optical path length) > **A** m mm

Distance B from stack (outside wall) to flange > **B** m mm

Distance C from stack (outside wall) to flange > **C** m mm

Cable D between receiver unit and control unit > **D** m mm

Cable E between receiver unit and transmitter unit > **E** m mm



O₂ correction value > Yes No

* Only for CO meter

Reference O₂ concentration value (vol %) >

* When the « yes » item is selected in « O₂ correction »

Presence of vibration > Yes (G) No

Options and accessories

Purge gas > N₂ Instrument air

Measurement expression > In dry value In wet value

∨ Analogue inputs

| | 4-20 mA / No | Range |
|-----|--------------|-------|
| EA1 | 4-20 mA No | |
| EA2 | 4-20 mA No | |

∨ Analogue outputs

| | 4-20 mA / No | Range |
|-----|--------------|-------|
| SA1 | 4-20 mA | |
| SA2 | 4-20 mA | |
| SA3 | 4-20 mA No | |
| SA4 | 4-20 mA No | |

Digital inputs : DO1 - DO3 > Yes No

Additional information >



When completed, send the questionnaire to sales.dpt@fujielectric.fr

> If necessary, add any other pertinent documents.



Discover

more about laser gas
analyser technology



Any question?

Please call us at
+33 (0)4 73 98 26 98



Explore

all gas analysis
possibilities

FUJI ELECTRIC FRANCE S.A.S.

46, rue Georges Besse - ZI du Brézet - 63 039 Clermont-Ferrand Cedex 2 - France

Téléphone : +33 (0)4 73 98 26 98 - Fax. +33 (0)4 73 98 26 99

Email : sales.dpt@fujielectric.fr - Web : <http://www.fujielectric.fr/en/>

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