Fuji Electric

Innovating Energy Technology

Application questionnaire

O_2 zirconia analyser
ZKM / ZFK platform

You need to measure the oxygen concentration of your industrial process?
We help you configure your oxygen measurement platform, whether it is for combustion control, safety measurement, environmental monitoring, furnace atmosphere control, inerting or any other process. With the data from this questionnaire, our engineers will select the best combination for reliable and accurate oxygen analysis. Do not hesitate to send us, in writing or in the form of a diagram, on the last page of this questionnaire or as an attachment, any additional information that would allow us to understand the specifics of your process, and thus adapt the configuration of your O_2 analysis solution.

Your details

Company name >
Site / project name >
Site address >
Country >

Contact name >
Telephone >
Email >

General data

Industrial sector >

Process type > ☐ Combustion ☐ Other process :

Fuel > ☐ Natural gas ☐ Biogas ☐ Biomass ☐ Coal
* Several options are available.
☐ Wastes ☐ Heavy fuel oil ☐ Domestic fuel oil

Other fuel >
* if not listed above

Probe location >
* Ex: furnace, stack, duct ...

☐ Replacement > Brand and model of existing analyser

☐ New equipment

Filter upstream > ☐ None ☐ Bag filters ☐ Electrostatic precipitator
* Several options are available.

Number of analysers >

Process conditions

Probe alignment

☐ Horizontal ☐ Vertical

Angle

Duct material

Duct thickness

Flange type

Insertion depth

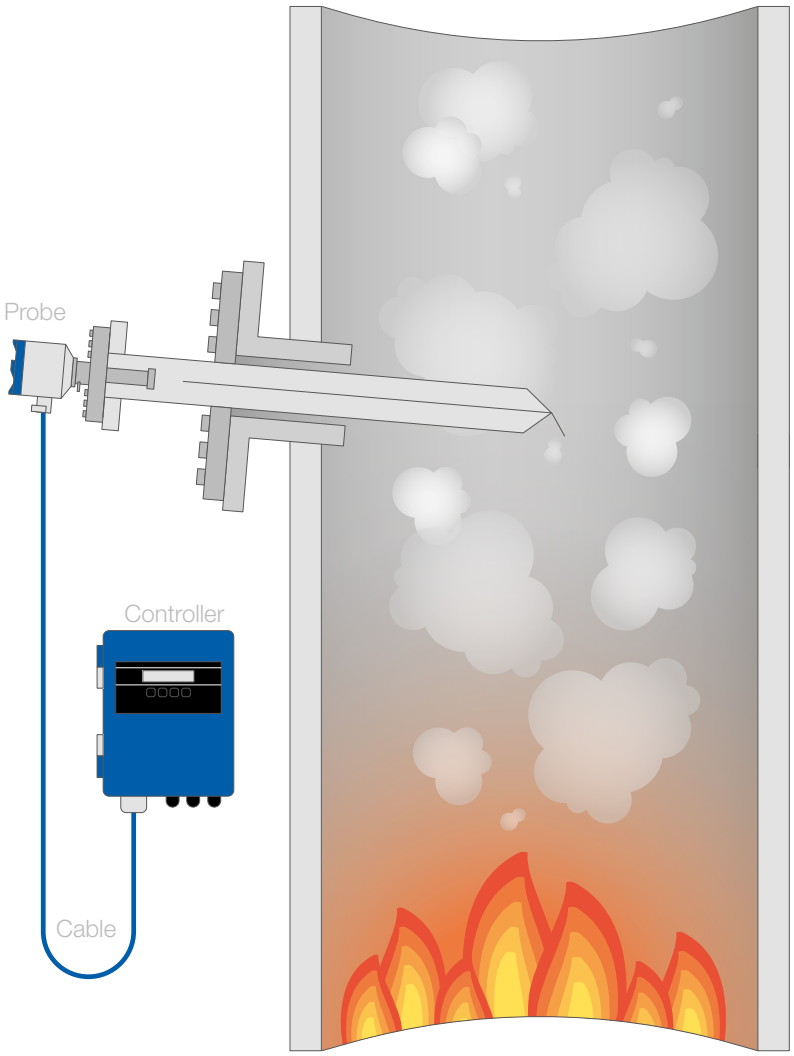
☐ m ☐ mm

Internal diameter

☐ m ☐ mm

External diameter

☐ m ☐ mm



Gas composition

	Minimum	Nominal	Maximum	Unit
O_2				
H_2O				
CO				
SOx				
H_2				
CnHm				
HCl				
HF				
Other :				
Other :				

Gas condition

	Minimum	Nominal	Maximum	Unit
Temperature				°C
Pressure				☐ mbar ☐ bar ☐ Pa
Velocity				m/s
Dusts				☐ g/m^3 ☐ mg/m^3

Ambiant conditions

Installation

Probe ☐ Indoor ☐ Outdoor ☐ Outdoor under cover

Controller ☐ Indoor ☐ Outdoor ☐ Outdoor under cover

Ambiant temperature

	Minimum	Nominal	Maximum	Unit
Probe				°C
Controller				°C

ATEX / IECEx zone

Probe ☐ Safe area ☐ Zone 2 ☐ Zone 1

Controller ☐ Safe area ☐ Zone 2 ☐ Zone 1

Options and accessories

Signals and data ☐ 4-20 mA ☐ 4-20 mA and Modbus RS485 ☐ 4-20 mA and HART

Controller IP ☐ IP66 ☐ IP67

QAL1 certificate ☐ Yes ☐ No

Automatic backpurge and calibration system ☐ Yes ☐ No

Probe to controller cable

☐ Standard ☐ 6 m ☐ 10 m ☐ 15 m ☐ 20 m
☐ 30 m ☐ 40 m ☐ 50 m ☐ 60 m
☐ 70 m ☐ 80 m ☐ 90 m ☐ 100 m

☐ Protection hose ☐ 6 m ☐ 10 m ☐ 15 m ☐ 20 m

Accessories ☐ Probe additional weather protection cover
☐ Guide tube abrasion protection deflector
☐ Process flange

Calibration certificate ☐ 5 points calibration certificate

Utilities and additional information

Electric supply ☐ 230 VAC +/- 10% 50/60 Hz ☐ 115 VAC +/- 10% 50/60 Hz

Compressed air supply ☐ None ☐ To be treated ☐ Oil and moisture free

Additional information

Send us this completed questionnaire.

› Attach your additional documents.

Discover
Discover the Fuji Electric O_2 zirconia platform in video

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

Explore
all oxygen measurement possibilities

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