

Selection and ordering data

Order No.

OXYMAT 6 gas analyzer

7MB2011-

0 -

Cannot be combined

For field installation

Gas connections for sample gas and reference gas

Ferrule screw connection made of stainless steel (mat. no. 1.4571)

- Pipe with 6 mm outer diameter
- Pipe with 1/4" outer diameter

0
1

0 → D02
1 → D01

Ferrule screw connection made of titanium

- Pipe with 6 mm outer diameter
- Pipe with 1/4" outer diameter

2
3

2 → D01, D02, Y02
3 → D01, D02, Y02

Piping and gas connections made of Hastelloy C22:

7MB2011-0/1.... + order code D01 or D02

Smallest possible measuring span O₂

0.5 % reference gas pressure 3 000 hPa

A
B
C
D
E
F

A → E30 ... E33

0.5 % reference gas pressure 100 hPa (external pump)

B B → Y02, E30 ... E33

2 % reference gas pressure 3 000 hPa

2 % reference gas pressure 100 hPa (external pump)

D D → Y02, E30 ... E33

5% reference gas pressure 3 000 hPa

F F → Y02, E30 ... E33

5% reference gas pressure 100 hPa (external pump)

Sample chamber

Non-flow-type compensation branch

- Made of stainless steel, mat. no. 1.4571
- Made of tantalum

A
B

C
D

Flow-type compensation branch

- Made of stainless steel, mat. no. 1.4571
- Made of tantalum

C
D

Heating of internal gas paths and analyzer unit

None

0
1

With (65 ... 130 °C)

1

Power supply

Standard unit and acc. to ATEX II 3G version (Zone 2)

- 100 ... 120 V AC, 48 ... 63 Hz
- 200 ... 240 V AC, 48 ... 63 Hz

0
1

0
1

ATEX II 2G versions (Zone 1), incl. certificate

- 100 ... 120 V AC, 48 ... 63 Hz, according to ATEX II 2G¹⁾
(operating mode: leakage compensation)
- 200 ... 240 V AC, 48 ... 63 Hz, according to ATEX II 2G¹⁾
(operating mode: leakage compensation)
- 100 ... 120 V AC, 48 ... 63 Hz, according to ATEX II 2G¹⁾
(operating mode: continuous purging)
- 200 ... 240 V AC, 48 ... 63 Hz, according to ATEX II 2G¹⁾
(operating mode: continuous purging)

2
3

6
7

2 2 → E11, E12
3 3 → E11, E12

6 6 → E11, E12
7 7 → E11, E12

Reference gas monitoring

Without

A
B

A

With

B

Add-on electronics

Without

A

B
E
F
G

AUTOCAL function

- With 8 additional digital inputs and 8 additional relay outputs
- With 8 additional digital inputs/outputs and PROFIBUS PA interface
- With 8 additional digital inputs/outputs and PROFIBUS DP interface
- With 8 additional digital inputs/outputs and PROFIBUS PA Ex-i

E → E12
F → E12

Language

German
English
French
Spanish
Italian

0
1
2
3
4

1) See also next page, "Additional units for Ex versions".

Selection and ordering data

Additional versions

Add "-Z" to Order No. and specify order codes.

Set of Torx screwdrivers

Kalrez gaskets in sample gas path

TAG labels (specific lettering based on customer information)

Gas connections and piping made of Hastelloy C22

- Outer diameter 6 mm
- Outer diameter 1/4"

Ex versions

For possible combinations, see Table "Ex configurations – principle selection criteria", page 5/16

ATEX II 3G certificate; restricted breathing enclosure, non-flammable gases

ATEX II 3G certificate; flammable gases

FM/CSA certificate – Class I Div 2

ATEX II G certificate; safety-related measurements

- In non-hazardous gas zone
- In Ex zone acc. to ATEX II 2G, leakage compensation
- In Ex zone acc. to ATEX II 2G, continuous purging
- In Ex zone acc. to ATEX II 3G, flammable and non-flammable gases
 - Extended element with heated units; 110/120 V
 - Extended element with heated units; 220/240 V

ATEX II 3D certificate; potentially explosive dust atmospheres

- In non-hazardous gas zone
- In Ex zone acc. to ATEX II 3G, non-flammable gases
- In Ex zone acc. to ATEX II 3G, flammable gases¹⁾

Clean for O₂ service (specially cleaned gas path)

Measuring range indication in plain text, if different from the standard setting

Order code

Cannot be combined

A32

B01

B03

D01

D02

→ E20

→ E20

E11

E12

E20

E30

E31

E32

E33

E38

E39

E40

E41

E42

Y02

Y11

Additional units for Ex versions

Order No.

Category ATEX II 2G (zone 1)

BARTEC EEx p control unit, 230 V, "leakage compensation"

BARTEC EEx p control unit, 115 V, "leakage compensation"

BARTEC EEx p control unit, 230 V, "continuous purging"

BARTEC EEx p control unit, 115 V, "continuous purging"

Ex isolation amplifier

Ex isolating relay, 230 V

Ex isolating relay, 110 V

Differential pressure switch for corrosive and non-corrosive gases

Stainless steel flame arrestor

Hastelloy flame arrestor

7MB8000-2BA

7MB8000-2BB

7MB8000-2CA

7MB8000-2CB

7MB8000-3AB

7MB8000-4AA

7MB8000-4AB

7MB8000-5AA

7MB8000-6BA

7MB8000-6BB

Category ATEX II 3G (Zone 2)

BARTEC EEx p control unit, 230 V, "continuous purging"

BARTEC EEx p control unit, 115 V, "continuous purging"

7MB8000-2CA

7MB8000-2CB

FM/CSA (Class I Div. 2)

Ex purging unit MiniPurge FM

7MB8000-1AA

Retrofitting sets

RS 485/Ethernet converter

RS 485/RS 232 converter

RS 485 / USB converter

AUTOCAL function with 8 digital inputs/outputs

AUTOCAL function with 8 digital inputs/outputs and PROFIBUS PA

AUTOCAL function with 8 digital inputs/outputs and PROFIBUS DP

AUTOCAL function with 8 digital inputs/outputs and PROFIBUS PA Ex i (firmware 4.1.10 required)

A5E00852383

C79451-Z1589-U1

A5E00852382

A5E00064223

A5E00057315

A5E00057318

A5E00057317

¹⁾ Only in connection with an approved purging unit