

Selection and ordering data

Order No.

OXYMAT 6 gas analyzer

for field installation

D) 7MB2011- 0 -

Cannot be combined

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 span O₂

0.5 % reference gas pressure 3 000 hPa

0.5 % reference gas pressure 100 hPa (external pump)

2 % reference gas pressure 3 000 hPa

2 % reference gas pressure 100 hPa (external pump)

5 % reference gas pressure 3 000 hPa

5 % reference gas pressure 100 hPa (external pump)

A
B
C
D
E
F

A → E30 ... E33
B B B → Y02, E30 ... E33
D D D → Y02, E30 ... E33
F F F → Y02, E30 ... E33

Sample chamber

Non-flow-type compensation branch

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

Flow-type compensation branch

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

A
B
C
D

C
D

Heating of internal gas paths and analyzer unit

Without

With (65 ... 130 °C)

0
1

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 2 → E11, E12
3 3 3 → E11, E12
6 6 6 → E11, E12
7 7 7 → E11, E12

Reference gas monitoring

Without

With

A
B

B
A

Add-on electronics

Without

AUTOCAL function

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

A
B
E
F
G

E → E12
F → E12

Language

German

English

French

Spanish

Italian

0
1
2
3
4

D) Subject to export regulations AL: 91999, ECCN: N

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

Selection and ordering data

<i>Additional versions</i>	Order code	Cannot be combined
Add "-Z" to Order No. and specify order codes.		
Set of Torx screwdrivers	A32	
Kalrez gaskets in sample gas path	B01	
TAG labels (specific inscription based on customer information)	B03	
Gas connections and piping made of Hastelloy C22		
• Outer diameter 6 mm	D01	→ E20
• Outer diameter ¼"	D02	→ E20
<u>Ex versions</u>		
For possible combinations, see Table "Ex configurations - principle selection criteria", page 6/16		
ATEX II 3G certificate; restricted breathing enclosure, non-flammable gases	E11	
ATEX II 3G certificate; flammable gases	E12	
CSA certificate – Class I Div 2	E20	
ATEX II G certificate; safety-related measurements		
• In non-hazardous gas zone	E30	
• In Ex zone acc. to ATEX II 2G, leakage compensation	E31	
• In Ex zone acc. to ATEX II 2G, continuous purging	E32	
• In Ex zone acc. to ATEX II 3G, flammable and non-flammable gases	E33	
- Extended element with heated units; 110/120 V	E38	
- Extended element with heated units; 220/240 V	E39	
ATEX II 3D certificate; potentially explosive dust atmospheres		
• In non-hazardous gas zone	E40	
• In Ex zone acc. to ATEX II 3G, non-flammable gases	E41	
• In Ex zone acc. to ATEX II 3G, flammable gases ¹⁾	E42	
Clean for O ₂ service (specially cleaned gas path)	Y02	
Measuring range indication in plain text, if different from the standard setting	Y11	
<u>Additional units for Ex versions</u>	Order No.	
<u>Category ATEX II 2G (Zone 1)</u>		
BARTEC EEx p control unit, 230 V, "leakage compensation"	7MB8000-2BA	
BARTEC EEx p control unit, 115 V, "leakage compensation"	7MB8000-2BB	
BARTEC EEx p control unit, 230 V, "continuous purging"	7MB8000-2CA	
BARTEC EEx p control unit, 115 V, "continuous purging"	7MB8000-2CB	
Ex isolation amplifier	7MB8000-3AA	
Ex isolating relay, 230 V	7MB8000-4AA	
Ex isolating relay, 110 V	7MB8000-4AB	
Differential pressure switch for corrosive and non-corrosive gases	F) 7MB8000-5AA	
Stainless steel flame arrestor	7MB8000-6BA	
Hastelloy flame arrestor	7MB8000-6BB	
<u>Category ATEX II 3G (Zone 2)</u>		
BARTEC EEx p control unit, 230 V, "continuous purging"	7MB8000-2CA	
BARTEC EEx p control unit, 115 V, "continuous purging"	7MB8000-2CB	
<u>FM/CSA (Class I Div. 2)</u>		
Ex purging unit MiniPurge FM	7MB8000-1AA	
<u>Retrofitting sets</u>		
RS 485/Ethernet converter	A5E00852383	
RS 485/RS 232 converter	C79451-Z1589-U1	
RS 485/USB converter	A5E00852382	
AUTOCAL function with 8 binary inputs/outputs	A5E00064223	
AUTOCAL function with 8 binary inputs/outputs and PROFIBUS PA	A5E00057315	
AUTOCAL function with 8 binary inputs/outputs and PROFIBUS DP	A5E00057318	
AUTOCAL function with 8 binary inputs/outputs and PROFIBUS PA Ex i (firmware 4.1.10 required)	A5E00057317	

F) Subject to export regulations AL: N, ECCN: EAR99H

¹⁾ Only in connection with an approved purging unit