

Selection and ordering data
Order No.
CALOMAT 6 gas analyzer
7MB2511-
0 - A

Cannot be combined

For field installation

Connections for sample gas

Ferrule screw connection for pipe, outer diameter 6 mm

Ferrule screw connection for pipe, outer diameter 1/4"

Measured component
Smallest/largest measuring range

H ₂ in N ₂	0 ... 1/100 %	AA	AA
H ₂ in N ₂ (blast furnace gas measurement) ¹⁾	0 ... 5/100 %	AW	AW
H ₂ in N ₂ (converter measurement) ¹⁾	0 ... 5/100 %	AX	AX
H ₂ in N ₂ (wood gasification) ¹⁾	0 ... 5/100 %	AY	AY
H ₂ in Ar	0 ... 1/100 %	AB	AB
H ₂ in NH ₃	0 ... 1/100 %	AC	AC
He in N ₂	0 ... 2/100 %	BA	
He in Ar	0 ... 2/100 %	BB	
He in H ₂	0 ... 10/80 %	BC	BC
Ar in N ₂	0 ... 10/100 %	CA	
Ar in O ₂	0 ... 10/100 %	CB	
CO ₂ in N ₂	0 ... 20/100 %	DA	
CH ₄ in Ar	0 ... 15/100 %	EA	EA
NH ₃ in N ₂	0 ... 10/30 %	FA	FA
H ₂ monitoring (turbo generators)		GA	GA
• CO ₂ in air	0 ... 100 %		
• H ₂ in CO ₂	0 ... 100 %		
• H ₂ in air	80 ... 100 %		

Add-on electronics

Without

AUTOCAL function

- With 8 additional binary inputs and 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 interface

Power supply

100 to 120 V AC, 47 to 63 Hz

200 to 240 V AC, 47 to 63 Hz

Explosion protection, incl. certificate

Without

Acc. to ATEX II 3G, non-flammable gases

 Acc. to ATEX II 3G; flammable gases²⁾

FM/CSA certificate – Class I Div 2

 According to ATEX II 2G, leakage compensation²⁾

 According to ATEX II 2G, continuous purging²⁾

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 gases²⁾

Language (supplied documentation, software)

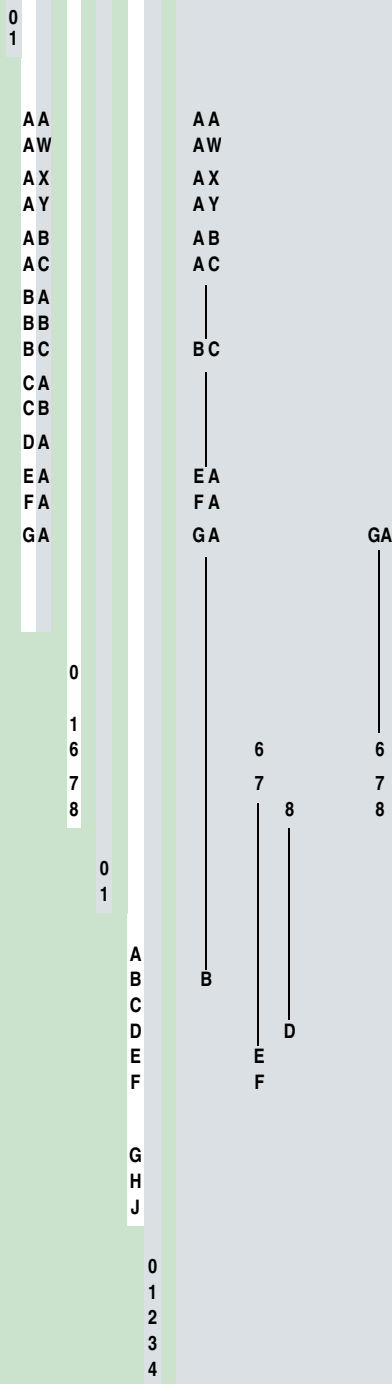
German

English

French

Spanish

Italian


¹⁾ Ready to enter external correction of cross-interferences for CO, CO₂ and CH₄ (CH₄ only for blast furnace gas and wood gasification).

²⁾ Only in connection with an approved purging unit.

Selection and ordering data**Additional versions****Order code****Add "-Z" to Order No. and specify order codes.**

Set of Torx screwdrivers
TAG labels (specific inscription based on customer information)
Clean for O₂ service (specially cleaned gas path)
Measuring range data in plain text, if different from the standard setting

A32
B03
Y02
Y11

Additional units for Ex versions**Order No.**ATEX Category 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
7MB8000-3AA
7MB8000-4AA
7MB8000-4AB
7MB8000-5AA
7MB8000-6BA
7MB8000-6BB

ATEX Category 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 binary inputs/outputs
AUTOCAL function with 8 binary inputs/outputs and PROFIBUS PA
AUTOCAL function with 8 binary inputs/outputs and PROFIBUS DP
AUTOCAL function with 8 binary inputs/outputs and PROFIBUS PA Ex i (firmware 4.1.10 required)

A5E00852383
C79451-Z1589-U1
A5E00852382
A5E00064223
A5E00057315
A5E00057318
A5E00057317