

Selection and ordering data**Order No.****LDS 6 in-situ gas analyzer**

7MB6122-

Pair of sensors (cross-duct sensor)

Explosion protection

Without

According to ATEX II 1 G Ex ia IIC T4, ATEX II 1 D Ex iaD 20 IP65 T135 °C

Sensor type

Standard cross-duct sensor

Measured componentO₂All gases except O₂**Purging, process side**

Without purging

Sensor side

Without purging

Air or N₂, 1 to 2 l/min;
incl. needle valve, 6 mm Swagelok

Without purging

Instrument air or N₂

Reduced flow: 0 ... 120 l/min

incl. needle valve, 6 mm Swagelok

Air or N₂, 1 to 2 l/min;

incl. needle valve, 6 mm Swagelok

Without purging

Air or N₂

Increased flow: 200 ... 500 l/min

incl. 6 mm Swagelok

Air or N₂, 1 to 2 l/min;

incl. needle valve, 6 mm Swagelok

Without purging

Air, fan or steam;

high flow: > 500 l/min

incl. 1¼" hose adapter

Air or N₂, 1 to 2 l/min;

incl. needle valve, 6 mm Swagelok

Purging tubes, material

No purging tubes

Stainless steel, EN 1.4432/316L

Purging tubes, length

No purging tubes

400 mm

800 mm

1 200 mm

75 mm, e.g. for engine test rigs

Process connection

Stainless steel flange (EN 1.4404/316L), dimensions acc. to DN 65/PN 6

Stainless steel flange (EN 1.4404/316L), dimensions acc. to ANSI 4"/150 lbs

Stainless steel flange (EN 1.4404/316L), dimensions acc. to DN 65/PN 6, including enclosed welding flanges, e.g. for engine test rigs

Pressure-resistant window flange (EN 1.4404/316L, borosilicate glass), DN 65/PN 6

Pressure-resistant window flange (EN 1.4404/316L, borosilicate glass), DN 80/PN 16

Pressure-resistant window flange (EN 1.4404/316L, borosilicate glass), ANSI 4"/150 lbs

Hybrid cable

No hybrid cable

Standard length

Length [m]

5

10

25

40

50

Customized length

(specified in complete meters)

0

1

A

W

A

B

C

D

E

F

G

H

0

1

0

1

2

3

4

0

1

2

3

4

5

X

A

B

E

G

H

Z

Selection and ordering data**LDS 6 in-situ gas analyzer**

Pair of sensors (cross-duct sensor)

Order No.7MB6122- **Sensor connecting cable****Length [m]**

No sensor connecting cable

X

Standard length

5

A

10

B

25

E

Customer-specific length

(specified in complete meters)

Z

Language (supplied documentation)

German

0

English

1

French

2

Spanish

3

Italian

4

Selection and ordering data*Additional versions***Order code**

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

6 mm Swagelok adapter for purging with steam, purging modes G and H

A27

Acceptance test certificate 3.1 (leak test) in accordance with EN10204

C12

Purging tube, special length

M1Y

Hybrid cable, customized length

P1Y

Sensor cable, customized length

Q1Y

TAG label, customized inscription

Y30*Additional units***Order No.**

Purging air blower 230 V

D) **A5E00829151**

Purging air blower 115 V

A5E00829150

CD 6, sensor alignment kit

A5E00253142

Optical filter for reducing IR background radiation (flame filter)

A5E00534668

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