

| Selection and ordering data                                                       |                    | Order No.       |   |   |  |   |   |  |   |   |                    |
|-----------------------------------------------------------------------------------|--------------------|-----------------|---|---|--|---|---|--|---|---|--------------------|
| <b>SITRANS SL in-situ gas analyzer</b>                                            |                    | <b>7MB6221-</b> |   |   |  |   |   |  |   |   | Cannot be combined |
| <b>Explosion protection</b>                                                       |                    |                 |   |   |  |   |   |  |   |   |                    |
| Without                                                                           |                    |                 | 0 |   |  |   |   |  |   | 0 |                    |
| ATEX II 2G Ex de op is IIC T6                                                     |                    |                 | 1 |   |  |   |   |  |   | 1 |                    |
| ATEX II 2D Ex tD A21 IP65 T85°C                                                   |                    |                 |   |   |  |   |   |  |   |   |                    |
| FM Class I, II, III Div 1 Groups A, B, C, D, E, F, G T6                           |                    |                 | 2 |   |  |   |   |  |   | 2 | 2                  |
| FM Class I, Zn 1, AEx d IIC T6                                                    |                    |                 |   |   |  |   |   |  |   |   |                    |
| FM Class II, Zn 21, AEx td T85°C                                                  |                    |                 |   |   |  |   |   |  |   |   |                    |
| <b>Measured component</b>                                                         |                    |                 |   |   |  |   |   |  |   |   |                    |
| O <sub>2</sub>                                                                    |                    |                 |   | A |  |   |   |  |   |   | A                  |
| CO                                                                                |                    |                 |   | J |  |   |   |  |   |   | J                  |
| <b>Application examples<sup>1)</sup></b>                                          |                    |                 |   |   |  |   |   |  |   |   |                    |
| Control of combustion processes                                                   |                    |                 |   | B |  |   |   |  |   |   | B                  |
| Process control, safety monitoring in appropriate plant concepts                  |                    |                 |   | C |  |   |   |  |   |   | B                  |
| <b>Communication interface</b>                                                    |                    |                 |   |   |  |   |   |  |   |   |                    |
| Analog                                                                            |                    |                 |   |   |  | 0 |   |  |   |   |                    |
| PROFIBUS DP                                                                       |                    |                 |   |   |  | 1 |   |  |   |   |                    |
| Modbus                                                                            |                    |                 |   |   |  | 2 |   |  |   |   |                    |
| <b>Purging tubes, material</b>                                                    | <b>Length</b>      |                 |   |   |  |   |   |  |   |   |                    |
| No purging tubes                                                                  |                    |                 |   |   |  | 0 |   |  |   |   |                    |
| Stainless steel                                                                   | 340 mm             |                 |   |   |  | 1 |   |  |   |   |                    |
| <b>Purging mode, process side</b>                                                 | <b>Sensor side</b> |                 |   |   |  |   |   |  |   |   |                    |
| No purging                                                                        | No purging         |                 |   |   |  | 0 |   |  |   |   | 0                  |
| No purging                                                                        | 3 ... 5 l/min      |                 |   |   |  | 1 |   |  |   |   | 1                  |
| 0 ... 50 l/min                                                                    | No purging         |                 |   |   |  | 2 |   |  |   |   | 2                  |
| 0 ... 50 l/min                                                                    | 3 ... 5 l/min      |                 |   |   |  | 3 |   |  |   |   |                    |
| <b>Process interface <sup>2)</sup></b>                                            |                    |                 |   |   |  |   |   |  |   |   |                    |
| Connection dimension ANSI 4" 150 lbs (EN 1.4404/316L), MAWP (PS) @ 20 °C: 232 psi |                    |                 |   |   |  | B |   |  |   |   |                    |
| Connection dimension DN 50/PN 25 (EN 1.4404/316L), MAWP (PS) @ 20°C: 2.5 MPa      |                    |                 |   |   |  | C |   |  |   |   |                    |
| Connection dimension DN 50/PN 40 (EN 1.4404/316L), MAWP (PS) @ 20°C: 4.0 MPa      |                    |                 |   |   |  | E |   |  |   | E |                    |
| <b>Sensor cable</b>                                                               | <b>Length</b>      |                 |   |   |  |   |   |  |   |   |                    |
| Standard length                                                                   | 5 m                |                 |   |   |  | A |   |  | A |   | A                  |
|                                                                                   | 10 m               |                 |   |   |  | B |   |  | B |   | B                  |
|                                                                                   | 25 m               |                 |   |   |  | C |   |  | C |   | C                  |
| Without cable                                                                     |                    |                 |   |   |  | X |   |  | X |   |                    |
| <b>Documentation language</b>                                                     |                    |                 |   |   |  |   |   |  |   |   |                    |
| German                                                                            |                    |                 |   |   |  |   | 0 |  |   |   |                    |
| English                                                                           |                    |                 |   |   |  |   | 1 |  |   |   |                    |
| French                                                                            |                    |                 |   |   |  |   | 2 |  |   |   |                    |
| Spanish                                                                           |                    |                 |   |   |  |   | 3 |  |   |   |                    |
| Italian                                                                           |                    |                 |   |   |  |   | 4 |  |   |   |                    |

| Selection and ordering data                                                                                                                             |  | Order code              |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|--|
| <b>Additional versions</b>                                                                                                                              |  |                         |  |
| Add "-Z" to Order No. and specify order code                                                                                                            |  |                         |  |
| Acceptance test certificate 3.1 (leak test) in accordance with EN 10204                                                                                 |  | <b>C12<sup>3)</sup></b> |  |
| Acceptance test certificate 3.1 (material certificate) in accordance with EN 10204                                                                      |  | <b>C13<sup>3)</sup></b> |  |
| SIL 1 conformity declaration in accordance with standards IEC 61508/IEC 61511 (for the measured component oxygen in combination with analog interfaces) |  | <b>C20<sup>3)</sup></b> |  |
| TAG label, customized inscription                                                                                                                       |  | <b>Y30</b>              |  |

<sup>1)</sup> The examples shown represent possible applications where appropriately configured SITRANS SL solutions can be used. The user is responsible for the prevailing conditions (plant concept (possibly redundant), application of appropriate components required in addition, compliance with possible directives, etc.).

<sup>2)</sup> MAWP: Maximum Allowable Working Pressure

<sup>3)</sup> Together with explosion protection as per FM, on request

## Selection and ordering data

### Additional units

Calibration verification kit O<sub>2</sub>, SITRANS SL  
Calibration verification kit CO, SITRANS SL  
SITRANS SL sensor alignment kit  
Ex-e junction box for 25-wire cable  
Cable set analog (for non-Ex SITRANS SL)  
Cable set PROFIBUS DP (for non-Ex SITRANS SL)  
UV protective hose for outdoor use, ND = 48 mm, per 30 m  
Sensor connecting cable set  
• 25 m  
• 10 m  
• 5 m

### Order No.

A5E01000694  
A5E03090938002  
A5E01000740  
A5E01267567  
A5E03328474  
A5E03328473  
A5E01714061  
  
A5E02528052  
A5E02528048  
A5E02509347

### Spare parts

Process interface for DN50/PN10 ... PN40 including gaskets  
Process interface for ANSI 4"/150 lbs including gaskets  
Purging tube 340 mm including gasket for DN50/PN10 ... PN40  
Cover for SITRANS SL transmitter housing  
Window cover of receiver housing  
Union nut SITRANS SL  
Gasket for DN50/PN10 ... PN40  
Gasket for ANSI 4" 150 lbs  
Analog cable (ATEX)  
PROFIBUS cable (ATEX)  
Sensor cable connection set for transmitter side (ATEX)  
Sensor cable connection set for receiver side (ATEX)  
Non-Ex cable gland for SITRANS SL  
Sensor cable for SITRANS SL, R1.1 and higher, 5 m long  
Sensor cable for SITRANS SL, R1.1 and higher, 10 m long  
Sensor cable for SITRANS SL, R1.1 and higher, 25 m long  
Needle valves for SITRANS SL  
Spare capillary tubes for SITRANS SL  
Ex-e connection box for 7-pole SITRANS SL cable  
Remote control for SITRANS SL, IS, CSA, FM, ATEX certified

A5E01009881  
A5E01009883  
A5E01009892  
A5E02568437  
A5E01009897  
A5E01010033  
A5E02522036  
A5E02789535  
A5E02608597  
A5E02608594  
A5E02568463  
A5E02568465  
A5E02568457  
A5E02571180  
A5E02571184  
A5E02571186  
A5E02569944  
A5E02183375  
A5E02091532  
A5E02091214

## Documentation

## Selection and ordering data

### Manual

SITRANS SL manual

- German
- English
- French
- Italian
- Spanish

### Order No.

A5E01132949  
A5E01132948  
A5E01132951  
A5E01132952  
A5E01132953