

Selection and ordering data
Order No.
SITRANS SL in-situ gas analyzer
7MB6221-

Cannot be combined

Explosion protection

Without
 ATEX II 2G Ex de op is IIC T6
 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
 FM Class I, Zn 1, AEx d IIC T6
 FM Class II, Zn 21, AEx td T85°C

Measured component

O₂
 CO

Application examples¹⁾

Control of combustion processes
 Process control, safety monitoring in appropriate plant concepts

Communication interface

Analog
 PROFIBUS DP
 Modbus

Purging tubes, material
Length

No purging tubes
 Stainless steel 340 mm

Purging mode, process side
Sensor side

No purging	No purging
No purging	3 ... 5 l/min
0 ... 50 l/min	No purging
0 ... 50 l/min	3 ... 5 l/min

Process interface²⁾

Connection dimension ANSI 4" 150 lbs (EN 1.4404/316L)
 Connection dimension DN 50/PN 25 (EN 1.4404/316L), MAWP (PS) @ 20°C: 2.5 MPa
 Connection dimension DN 50/PN 40 (EN 1.4404/316L), MAWP (PS) @ 20°C: 4.0 MPa

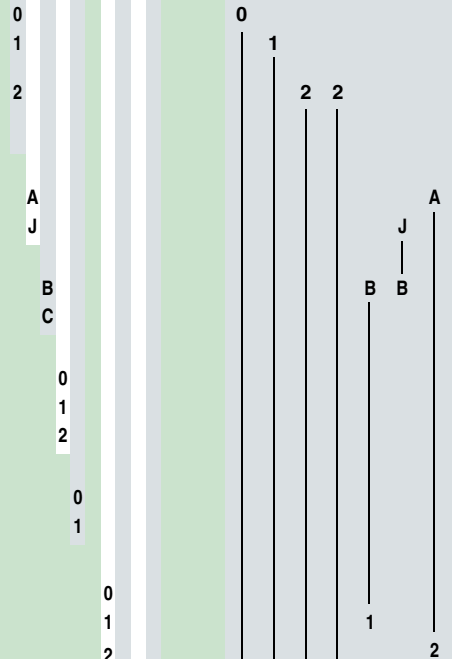
Sensor cable
Length

Standard length	5 m
	10 m
	25 m

Without cable

Documentation language

German
 English
 French
 Spanish
 Italian


Selection and ordering data
Additional versions
Order code

Add "-Z" to Order No. and specify order code
 Acceptance test certificate 3.1 (leak test) in accordance with EN10204
 Acceptance test certificate 3.1 (material certificate) in accordance with EN10204
 SIL 1 conformity declaration in accordance with standards IEC 61508/IEC 61511 (for the measured component oxygen in combination with analog interfaces)
 TAG label, customized inscription

C12³⁾
C13³⁾
C20³⁾
Y30

¹⁾ 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.).
²⁾ MAWP: Maximum Allowable Working Pressure
³⁾ Together with explosion protection as per FM, on request

Selection and ordering data**Additional units**

Calibration verification kit O ₂ , SITRANS SL
Calibration verification kit CO, SITRANS SL
SITRANS SL sensor alignment kit
EEx 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/PN25 including gaskets
Process interface for ANSI 4"/150 lbs including gaskets
Purging tube 340 mm including gasket for DN50/PN25
Cover for SITRANS SL transmitter housing
Window cover of receiver housing
Union nut SITRANS SL
Gasket for DN50 PN25
Gasket for ANSI 4" 150 lbs
Analog cable
PROFIBUS cable
Sensor cable connection set for transmitter side
Sensor cable connection set for receiver side
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	Order No.
SITRANS SL manual	
• German	A5E01132949
• English	A5E01132948
• French	A5E01132951
• Italian	A5E01132952
• Spanish	A5E01132953