

Selection and Ordering data		Order No.
SITRANS LC300, threaded		7ML5625-
An inverse frequency shift capacitance continuous level transmitter for liquids and solids applications.		
Version (threaded lengths include process thread)		
Rod, 19 mm (0.75") diameter, PFA insulated		
<u>Add order code Y01 and plain text: "Insertion length ... mm"</u>		
- 300 to 1000 mm (11.81 to 39.37")		0A
- 1001 to 2000 mm (39.41 to 78.74")		1A
- 2001 to 3000 mm (78.78 to 118.11") ⁴⁾		2A
- 3001 to 4000 mm (118.15 to 157.48") ⁴⁾		3A
- 4001 to 5000 mm (157.52 to 196.85") ⁴⁾		4A
Rod, 19 mm (0.75") diameter, PFA insulated with 35 mm (1.38") diameter stilling well		
<u>Add order code Y01 and plain text: "Insertion length ... mm"</u>		
- 300 to 1000 mm (11.81 to 39.37") ¹⁾		0B
- 1001 to 2000 mm (39.41 to 78.74") ¹⁾		1B
- 2001 to 3000 mm (78.78 to 118.11") ¹⁾ and 4)		2B
- 3001 to 4000 mm (118.15 to 157.48") ¹⁾ and 4)		3B
- 4001 to 5000 mm (157.52 to 196.85") ¹⁾ and 4)		4B
Cable, 9 mm (0.75") diameter, PFA insulated, weighted		
<u>Add order code Y01 and plain text: "Insertion length ... mm"</u>		
- 1000 to 2000 mm (39.37 to 78.74") ¹⁾		0E
- 2001 to 4000 mm (78.78 to 157.48") ¹⁾		1E
- 4001 to 6000 mm (157.52 to 236.22") ¹⁾		2E
- 6001 to 8000 mm (236.26 to 314.96") ¹⁾		3E
- 8001 to 10000 mm (315 to 393.70") ¹⁾		4E
Cable, 6 mm (0.24") diameter, non-insulated, weighted		
<u>Add order code Y01 and plain text: "Insertion length ... mm"</u>		
- 1000 to 2000 mm (39.37 to 78.74") ¹⁾		0F
- 2001 to 4000 mm (78.78 to 157.48") ¹⁾		1F
- 4001 to 6000 mm (157.52 to 236.22") ¹⁾		2F
- 6001 to 8000 mm (236.26 to 314.96") ¹⁾		3F
- 8001 to 10000 mm (315 to 393.70") ¹⁾		4F
Cable lengths up to 25000 mm (984.25") are possible for non-conductive media. Cable lengths up to 15000 mm (590.55") are possible for conductive media. Contact nacc.smpi@siemens.com for details.		
Process connection		
¾" NPT [(Taper), ANSI/ASME B1.20.1] ²⁾		A0
1" NPT [(Taper), ANSI/ASME B1.20.1] ²⁾		B0
1½" NPT [(Taper), ANSI/ASME B1.20.1]		C0
R ¾" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203] ²⁾		D0
R 1" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203] ²⁾		E0
R 1½" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]		F0
1¼" NPT [(Taper), ANSI/ASME B1.20.1]		K0
G ¾" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202] ²⁾		L0
G 1" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202] ²⁾		M0
G 1½" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]		N0
Approvals		
General purpose		1
CSA and FM Class II and III, Div. 1, Groups E, F, G T4; ATEX II 1/2 D T100 °C		2
ATEX II 1/2 G EEx d [ia] IIC T6 to T1		3
CSA/FM Class I, Div. 1, Groups A, B, C, D T4		4

Selection and Ordering data		Order No.
SITRANS LC300, threaded		7ML5625-
An inverse frequency shift capacitance continuous level transmitter for liquids and solids applications.		
Enclosure		
<u>Aluminum, epoxy-coated</u>		
Cable entry 2 x ½" NPT, IP65		0
Cable entry 2 x M20x1.5, IP65		1
Cable entry 2 x ½" NPT, IP68		2
Cable entry 2 x M20x1.5, IP68		3
Thermal isolator/remote version		
None		A
With thermal isolator		B
With mounting eye ³⁾		C
With thermal isolator and mounting eye ³⁾		D
Electronic transmitter		
3300 pF range		1
Further designs		Order code
Please add "-Z" to Order No. and specify Order code(s).		
Insertion length, specify in plain text: Y01: ... mm		Y01
Stainless steel tag [69 mm x 50 mm (2.71 x 1.97")]: Measuring-point number/identification (max. 16 characters); specify in plain text		Y15
Acceptance test certificate: Manufacturer's test certificate M to DIN 55350, Part 18 and ISO 9000		C11
Inspection Certificate Type 3.1 per EN 10204		C12
Instruction manual		Order No.
English		7ML1998-5HE01
French		7ML1998-5HE11
German		7ML1998-5HE31
Spanish		7ML1998-5HE21
Note: The instruction manual should be ordered as a separate line item on the order.		
This device is shipped with the Siemens Milltronics manual CD containing the complete ATEX Quick Start and instruction manual library.		
Accessories		
½" NPT cable gland, nickel plated brass, fits cable diameter 6 to 12 mm (0.24 to 0.47") -40 to +100 °C (-40 to +212 °F), IP68 (General Purpose)		7ML1830-1JA
½" NPT cable gland, brass, ATEX II 2GD EEx d IIC and EEx e II, fits cable diameter 6.5 to 14 mm (0.26 to 0.55"), -60 to +130 °C (-76 to +266 °F), IP68 (Explosion Proof)		7ML1830-1JB
M20x1.5 cable gland, PA polyamide, ATEX II 2G EEx e II, fits cable diameter 7 to 12 mm (0.28 to 0.47"), -20 to +70 °C (-4 to +158 °F), IP68 (General Purpose)		7ML1830-1JC
M20x1.5 cable gland, brass, ATEX II 2GD EEx d IIC and EEx e II, fits cable diameter 10.5 to 15.9 mm (0.41 to 0.63"), under armour cable diameter 6.1 to 11.5 mm (0.24 to 0.45"), -60 to 130 °C (-76 to +266 °F), IP68 (Explosion Proof)		7ML1830-1JD
Electronic transmitter kit (includes transmitter and driver)		7ML1830-1KN
1) For process connections 1½" and larger		
2) Available for rod versions only		
3) Available for PFA insulated cable versions 0E to 4E only		
4) Custom shipping methods required. Contact factory for more details.		

SITRANS L Level instruments

Continuous measurement - Capacitance transmitters

SITRANS LC300

Selection and Ordering data

Order No.

SITRANS LC300, welded flange

7 ML 5 6 2 6 -

An inverse frequency shift capacitance continuous level transmitter for liquids and solids applications.

Version

(lengths from flange face)

Rod, PFA insulated

Add order code Y01 and plain text: "Insertion length ... mm"

- 300 to 1000 mm (11.81 to 39.37")¹⁾
- 1001 to 2000 mm (39.41 to 78.74")¹⁾
- 2001 to 3000 mm (78.78 to 118.11")³⁾
- 3001 to 4000 mm (118.15 to 157.48")³⁾
- 4001 to 5000 mm (157.52 to 196.85")³⁾

Rod, PFA insulated with stilling well

Add order code Y01 and plain text: "Insertion length ... mm"

- 300 to 1000 mm (11.81 to 39.37")¹⁾
- 1001 to 2000 mm (39.41 to 78.74")¹⁾
- 2001 to 3000 mm (78.78 to 118.11")¹⁾ and 3)
- 3001 to 4000 mm (118.15 to 157.48")¹⁾ and 3)
- 4001 to 5000 mm (157.52 to 196.85")¹⁾ and 3)

Cable, PFA insulated, weighted

Add order code Y01 and plain text: "Insertion length ... mm"

- 1000 to 2000 mm (39.37 to 78.74")¹⁾
- 2001 to 4000 mm (78.78 to 157.48")¹⁾
- 4001 to 6000 mm (157.52 to 236.22")¹⁾
- 6001 to 8000 mm (236.26 to 314.96")¹⁾
- 8001 to 10000 mm (315 to 393.70")¹⁾

Cable, non-insulated, weighted

Add order code Y01 and plain text: "Insertion length ... mm"

- 1000 to 2000 mm (39.37 to 78.74")¹⁾
- 2001 to 4000 mm (78.78 to 157.48")¹⁾
- 4001 to 6000 mm (157.52 to 236.22")¹⁾
- 6001 to 8000 mm (236.26 to 314.96")¹⁾
- 8001 to 10000 mm (315 to 393.70")¹⁾

Cable lengths up to 25000 mm (984.25") are possible for non-conductive media. Cable lengths up to 15000 mm (590.55") are possible for conductive media. Contact nacc.smpi@siemens.com for details.

Process connection

Welded flange, 316L stainless steel, raised face

- 1" ASME 150 lb⁴⁾
- 1" ASME 300 lb⁴⁾
- 1" ASME 600 lb⁴⁾

- 1½" ASME 150 lb
- 1½" ASME 300 lb
- 1½" ASME 600 lb

- 2" ASME 150 lb
- 2" ASME 300 lb
- 2" ASME 600 lb

- 3" ASME 150 lb
- 3" ASME 300 lb³⁾
- 3" ASME 600 lb³⁾

- 4" ASME 150 lb³⁾
- 4" ASME 300 lb³⁾
- 4" ASME 600 lb³⁾

Welded flange, 316L stainless steel, Type A flat faced

- DN 25, PN 16⁴⁾
- DN 25, PN 40⁴⁾

- DN 40, PN 16
- DN 40, PN 40

- DN 50, PN 16
- DN 50, PN 40

- DN 80, PN 16
- DN 80, PN 40³⁾

- DN 100, PN 16³⁾

0 A
1 A
2 A
3 A
4 A

0 B
1 B
2 B
3 B
4 B

0 E
1 E
2 E
3 E
4 E

0 F
1 F
2 F
3 F
4 F

A 1
A 2
A 3
B 1
B 2
B 3
C 1
C 2
C 3
D 1
D 2
D 3
E 1
E 2
E 3

J 4
J 6
K 4
K 6
L 4
L 6
M 4
M 6
N 4

Selection and Ordering data

Order No.

SITRANS LC300, welded flange

7 ML 5 6 2 6 -

An inverse frequency shift capacitance continuous level transmitter for liquids and solids applications.

DN 100, PN 40³⁾

(Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5, or EN 1092-1 standard.)

Approvals

General purpose

CSA and FM Class II and III, Div. 1, Groups E, F, G T4; ATEX II 1/2 D T100 °C

ATEX II 1/2 G EEx d [ia] IIC T6 to T1

CSA/FM Class I, Div. 1, Groups A, B, C, D T4

Enclosure

Aluminum, epoxy-coated

- Cable entry 2 x ½" NPT, IP65
- Cable entry 2 x M20x1.5, IP65

- Cable entry 2 x ½" NPT, IP68
- Cable entry 2 x M20x1.5, IP68

Thermal isolator/remote version

None

With thermal isolator

With mounting eye²⁾

With thermal isolator and mounting eye²⁾

Electronic transmitter

3300 pF range

Further designs

Please add "-Z" to Order No. and specify Order code(s).

Insertion length, specify in plain text:
Y01: ... mm

Stainless steel tag [69 mm x 50 mm (2.71 x 1.97")]:
Measuring-point number/identification (max. 16 characters); specify in plain text

Acceptance test certificate: Manufacturer's test certificate M to DIN 55350, Part 18 and ISO 9000
Inspection Certificate Type 3.1 per EN 10204

Instruction manual

English
French
German

Spanish

Note: The instruction manual should be ordered as a separate line item on the order.

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Accessories

½" NPT cable gland, nickel plated brass, fits cable C) diameter 6 to 12 mm (0.24 to 0.47") -40 to +100 °C (-40 to +212 °F), IP68

(General Purpose)
½" NPT cable gland, brass, ATEX II 2GD EEx d IIC C) and EEx e II, fits cable diameter 6.5 to 14 mm (0.26 to 0.55"), -60 to +130 °C (-76 to +266 °F), IP68 (Explosion Proof)

M20x1.5 cable gland, PA polyamide, ATEX II 2G C) EEx e II, fits cable diameter 7 to 12 mm (0.28 to 0.47"), -20 to +70 °C (-4 to +158 °F), IP68 (General Purpose)

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Electronic transmitter kit (includes transmitter and driver)

N 6

1
2
3
4

0
1
2
3

A
B
C
D

1

Order code

Y01

Y15

C11

C12

Order No.

7ML1998-5HE01

7ML1998-5HE11

7ML1998-5HE31

7ML1998-5HE21

7ML1830-1JA

7ML1830-1JB

7ML1830-1JC

7ML1830-1JD

7ML1830-1KN

¹⁾ For process connections 1½" and larger

²⁾ Available for PFA insulated cable versions 0E to 4E only

³⁾ Custom shipping methods required. Contact factory for more details.

⁴⁾ Only for use with Versions 0A to 4A

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