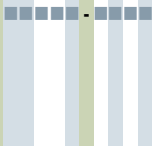
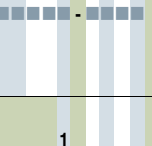


Selection and Ordering data	Article No.
SITRANS LC500, Threaded or Welded Flange with Cable Sensor Inverse frequency shift capacitance level and interface transmitter for extreme and critical process conditions, such as oil and liquid gas, toxic and aggressive chemicals and vapours. ➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	7ML5513- 
Version¹⁾ Cable, 9 mm (0.35 inch) diameter, 316 stainless steel with PFA insulation, weighted Add Order code Y01 and plain text: <u>"Insertion length ... mm"</u> 1 000 ... 2 000 mm (39.37 ... 78.74 inch) 2 001 ... 4 000 mm (78.78 ... 157.48 inch) 4 001 ... 6 000 mm (157.52 ... 236.22 inch) 6 001 ... 8 000 mm (236.26 ... 314.96 inch) 8 001 ... 10 000 mm (315 ... 393.70 inch) Longer lengths possible to a max. of 35 000 mm (114.83 ft). Please contact local sales person for details. Cable, 6 mm (0.24 inch) diameter, 316L stainless steel, non-insulated, weighted (non-conductive media only) Add Order code Y01 and plain text: <u>"Insertion length ... mm"</u> 1 000 ... 2 000 mm (39.37 ... 78.74 inch) ²⁾ 2 001 ... 4 000 mm (78.78 ... 157.48 inch) ²⁾³⁾ 4 001 ... 6 000 mm (157.52 ... 236.22 inch) ²⁾³⁾ 6 001 ... 8 000 mm (236.26 ... 314.96 inch) ²⁾³⁾ 8 001 ... 10 000 mm (315 ... 393.70 inch) ²⁾³⁾ Cable lengths up to 25 000 mm (984.25 inch) are possible for non-conductive media. Cable lengths up to 15 000 mm (590.55 inch) are possible for conductive media. Please contact a local sales person for details.	0 E 1 E 2 E 3 E 4 E 0 F 1 F 2 F 3 F 4 F
Process connection (316L stainless steel) Threaded connection 1½" NPT [(Taper), ANSI/ASME B1.20.1] R 1½" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203] 1¼" NPT [(Taper), ANSI/ASME B1.20.1] G 1½" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202] Welded flange, raised face 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⁾ 3", ASME, 300 lb ³⁾ 3", ASME, 600 lb ³⁾ 4", ASME, 150 lb ³⁾ 4", ASME, 300 lb ³⁾ 4", ASME, 600 lb ³⁾ 6", ASME, 150 lb ³⁾ 6", ASME, 300 lb ³⁾ 6", ASME, 600 lb ³⁾ Welded flange, Type A flat faced DN 40, PN 16 DN 40, PN 40 DN 50, PN 16 DN 50, PN 40 DN 80, PN 16 DN 80, PN 40 ³⁾ DN 100, PN 16 ³⁾ DN 100, PN 40 ³⁾ DN 125, PN 16 ³⁾ DN 125, PN 40 ³⁾ (Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5, or EN 1092-1 standard.) Sanitary, hastelloy, duplex or other custom process connections available. Please contact a local sales person for details.	C 0 F 0 K 0 L 0 B 1 B 2 B 3 C 1 C 2 C 3 D 1 D 2 D 3 E 1 E 2 E 3 F 1 F 2 F 3 K 4 K 5 L 4 L 5 M 4 M 5 N 4 N 5 P 4 P 5

Selection and Ordering data	Article No.
SITRANS LC500, Threaded or Welded Flange with Cable Sensor Inverse frequency shift capacitance level and interface transmitter for extreme and critical process conditions, such as oil and liquid gas, toxic and aggressive chemicals and vapours.	7ML5513- 
Approvals General Purpose: CE, CSA, FM, RCM CSA / FM Class I, Div. 2, Groups A, B, C, D CSA / FM Class II, III, Div. 1, Groups E, F, G T4 ATEX II 3G 2D EEx nA [ib] IIC T6 ... T4 T 100 °C ATEX II 1/2 GD EEx d [ia] IIC T6 ... T1 T 100 °C FM Class I, Div. 1, Groups A, B, C, D, T4	1 2 4 6
Enclosure/Cable inlet <u>Aluminum epoxy coated</u> 2 x ½" NPT, IP68 2 x M20 x 1.5 (IP68, adapter) Stainless steel Please contact a local sales person for details.	1 2
Options No additional options With mounting eye ⁴⁾	A B
Thermal isolator Without thermal isolator Isolator, only for use when temperature range is outside of -40 ... +85 °C (-40 ... +185 °F), explosion proof approval -40 ... +70 °C (-40 ... +158 °F)	A B
Electronic output No transmitter supplied 2-wire loop current 4 ... 20 mA (transmitter MSP 2002-2 _3300 pF)	0 1
1) A minimum span of 3 pF must be maintained 2) Available with non-conductive media only 3) Custom shipping methods required. Contact factory for more details. 4) Available in PFA insulated version only Customers interested in a custom designed device should consult a local sales person. For more information, please visit http://www.automation.siemens.com/aspa_app .	

Selection and Ordering data	Order code
Further designs Please add "-Z" to Article No. and specify Order code(s).	
Insertion length, specify in plain text: Y01: ... mm	Y01
Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters) specify in plain text	Y15
Manufacturer's test certificate: M to DIN 55350, Part 18 and to ISO 9000	C11
Inspection Certificate Type 3.1 per EN 10204	C12
Operating Instructions	See page 4/359
Accessories	See page 4/359

Selection and Ordering data	Article No.
SITRANS LC500, Threaded or Welded Flange, with Rod Sensor	7ML5515-
Inverse frequency shift capacitance level and interface transmitter for extreme and critical process conditions, such as oil and liquid gas, toxic and aggressive chemicals and vapours.	
Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	
Version	
Rod, 16 mm (0.63 inch), PFA insulated Add Order code Y01 and Y02 and plain text: <u>Insertion length ... mm and active shield length ... mm</u>	
200 ... 1 000 mm (7.87 ... 39.37 inch) ¹⁾	0 A
1 001 ... 2 000 mm (39.41 ... 78.74 inch)	1 A
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²⁾	2 A
3 001 ... 3 500 mm (118.15 ... 137.80 inch) ²⁾	3 A
Rod, 16 mm (0.63 inch), PFA insulated with 35 mm (1.38 inch) stilling well in 316L stainless steel Add Order code Y01 and Y02 and plain text: <u>Insertion length ... mm and active shield length ... mm</u>	
200 ... 1 000 mm (7.87 ... 39.37 inch) ¹⁾³⁾	0 B
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ³⁾	1 B
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²⁾³⁾	2 B
3 001 ... 3 500 mm (118.15 ... 137.80 inch) ²⁾³⁾	3 B
Rod, 24 mm (0.94 inch), PFA insulated Add Order code Y01 and Y02 and plain text: <u>Insertion length ... mm and active shield length ... mm</u>	
200 ... 1 000 mm (7.87 ... 39.37 inch) ⁴⁾	0 C
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ⁴⁾	1 C
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²⁾⁴⁾	2 C
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²⁾⁴⁾	3 C
4 001 ... 5 000 mm (173.26 ... 196.88 inch) ²⁾⁴⁾	4 C
5 001 ... 5 500 mm (196.89 ... 216.54 inch) ²⁾⁴⁾	5 C
Rod, 24 mm (0.94 inch), PFA insulated with 48 mm (1.89 inch) stilling well in 316L stainless steel Add Order code Y01 and Y02 and plain text: <u>Insertion length ... mm and active shield length ... mm</u>	
200 ... 1 000 mm (7.87 ... 39.37 inch) ⁵⁾	0 D
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ⁵⁾	1 D
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²⁾⁵⁾	2 D
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²⁾⁵⁾	3 D
4 001 ... 5 000 mm (173.26 ... 196.88 inch) ²⁾⁵⁾	4 D
5 001 ... 5 500 mm (196.89 ... 216.54 inch) ²⁾⁵⁾	5 D
Bent probes also available. Please contact a local sales person for details.	
Process connection (316L stainless steel)	
Threaded connection	
¾" NPT [(Taper), ANSI/ASME B1.20.1]	A 0
1" NPT [(Taper), ANSI/ASME B1.20.1]	B 0
1½" NPT [(Taper), ANSI/ASME B1.20.1]	C 0
2" NPT [(Taper), ANSI/ASME B1.20.1]	D 0
R ¾" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	E 0
R 1" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	F 0
R 1½" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	J 0
R 2" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	K 0
1¼" NPT [(Taper), ANSI/ASME B1.20.1]	N 0
G ¾" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	P 0
G 1" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	R 0
G 1½" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	S 0
G 2" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	T 0
Welded flange, raised face	
1½", ASME, 150 lb	B 1
1½", ASME, 300 lb	B 2
1½", ASME, 600 lb	B 3
2", ASME, 150 lb	C 1
2", ASME, 300 lb	C 2
2", ASME, 600 lb	C 3
3", ASME, 150 lb ²⁾	D 1
3", ASME, 300 lb ²⁾	D 2
3", ASME, 600 lb ²⁾	D 3

Selection and Ordering data	Article No.
SITRANS LC500, Threaded or Welded Flange, with Rod Sensor	7ML5515-
Inverse frequency shift capacitance level and interface transmitter for extreme and critical process conditions, such as oil and liquid gas, toxic and aggressive chemicals and vapours.	
4", ASME, 150 lb ²⁾	E 1
4", ASME, 300 lb ²⁾	E 2
4", ASME, 600 lb ²⁾	E 3
6", ASME, 150 lb ²⁾	F 1
6", ASME, 300 lb ²⁾	F 2
6", ASME, 600 lb ²⁾	F 3
Welded flange, Type A flat faced	
DN 40, PN 16	K 4
DN 40, PN 40	K 5
DN 50, PN 16	L 4
DN 50, PN 40	L 5
DN 80, PN 16	M 4
DN 80, PN 40 ²⁾	M 5
DN 100, PN 16 ²⁾	N 4
DN 100, PN 40 ²⁾	N 5
DN 125, PN 16 ²⁾	P 4
DN 125, PN 40 ²⁾	P 5
(Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5, or EN 1092-1 standard.) Sanitary, hastelloy, duplex or other custom process connections available. Please contact a local sales person for details.	
Approvals	
General Purpose: CE, CSA, FM, RCM	1
CSA / FM Class I, Div. 2, Groups A, B, C, D	2
CSA / FM Class II, III, Div. 1, Groups E, F, G T4	
ATEX II 3G 2D EEx nA [ib] IIC T6 ... T4 T 100 °C	4
ATEX II 1/2 GD EEx d [ia] IIC T6 ... T1 T 100 °C	6
FM Class I, Div. 1, Groups A, B, C, D, T4	
Enclosure/Cable inlet	
Aluminum epoxy coated	1
2 x ½" NPT, IP68	2
2 x M20 x1.5 (IP68, adapter)	
Stainless steel	
Please contact a local sales person for details.	
Options	
No additional options	A
Thermal isolator/remote version	
Without thermal isolator or remote electronics	A
Thermal isolator, only for use when temperature range is outside of -40 ... +85 °C (-40 ... +185 °F), explosion proof approval -40 ... +70 °C (-40 ... +158 °F)	B
Remote electronics with mounting bracket and cable ⁶⁾	
• Length: 2 m (79 inch)	C
• Length: 3 m (118 inch)	D
• Length: 4 m (158 inch)	E
• Length: 5 m (197 inch)	F
Electronic output	
No transmitter supplied	0
2-wire loop current 4 ... 20 mA (transmitter MSP 2002-2 _3300 pF)	1
1) A minimum span of 3 pF must be maintained	
2) Custom shipping methods required. Contact factory for more details.	
3) Available with process connection 1½" or larger	
4) Available with process connection 1" or larger	
5) Available with process connection 2" or larger	
6) Available with approval option 1 only	
Customers interested in a custom designed device should consult a local sales person. For more information, please visit http://www.automation.siemens.com/aspa_app .	

Selection and Ordering data	Order code
<i>Further designs</i>	
Please add "-Z" to Article No. and specify Order code(s).	
Insertion length, specify in plain text: Y01: ... mm	Y01
Active shield length, specify in plain text [min. length is 50 mm (2 inch), max. length is 3 350 mm (131.89 inch)]: Y02: ... mm	Y02
Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters) specify in plain text	Y15
Manufacturer's test certificate: M to DIN 55350, Part 18 and to ISO 9000	C11
Inspection Certificate Type 3.1 per EN 10204	C12
Manufacturing Test Report (Electrode Test)	C18
<i>Operating Instructions</i>	See page 4/359
<i>Accessories</i>	See page 4/359

Selection and Ordering data		Article No.
SITRANS LC500, Single Piece Flanged with Rod Sensor		7ML5517-
Inverse frequency shift capacitance level and interface transmitter for extreme and critical process conditions, such as oil and liquid gas, toxic and aggressive chemicals and vapours.		
Click on the Article No. for the online configuration in the PIA Life Cycle Portal.		
Version		
Rod, 16 mm (0.63 inch), PFA insulated		
Add Order code Y01 and Y02 and plain text:		
<u>"Insertion length ... mm and active shield length ... mm"</u>		
250 ... 1 000 mm (9.84 ... 39.37 inch) ¹⁾		0 A
1 001 ... 2 000 mm (39.41 ... 78.74 inch)		1 A
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²⁾		2 A
3 001 ... 3 500 mm (118.15 ... 137.80 inch) ²⁾		3 A
Rod, 16 mm (0.63 inch), PFA insulated with 35 mm (1.34 inch) stilling well in 316L stainless steel		
Add Order code Y01 and Y02 and plain text:		
<u>"Insertion length ... mm and active shield length ... mm"</u>		
250 ... 1 000 mm (9.84 ... 39.37 inch)		0 B
1 001 ... 2 000 mm (39.41 ... 78.74 inch)		1 B
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²⁾		2 B
3 001 ... 3 500 mm (118.15 ... 137.80 inch) ²⁾		3 B
Rod, 24 mm (0.94 inch), PFA insulated		
Add Order code Y01 and Y02 and plain text:		
<u>"Insertion length ... mm and active shield length ... mm"</u>		
250 ... 1 000 mm (9.84 ... 39.37 inch)		0 C
1 001 ... 2 000 mm (39.41 ... 78.74 inch)		1 C
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²⁾		2 C
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²⁾		3 C
4 001 ... 5 000 mm (173.26 ... 196.88 inch) ²⁾		4 C
5 001 ... 5 500 mm (196.89 ... 216.54 inch) ²⁾		5 C
Rod, 24 mm (0.94 inch), PFA insulated with 48 mm (1.89 inch) stilling well in 316L stainless steel		
Add Order code Y01 and Y02 and plain text:		
<u>"Insertion length ... mm and active shield length ... mm"</u>		
250 ... 1 000 mm (9.84 ... 39.37 inch)		0 D
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²⁾³⁾		1 D
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²⁾³⁾		2 D
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²⁾³⁾		3 D
4 001 ... 5 000 mm (173.26 ... 196.88 inch) ²⁾³⁾		4 D
5 001 ... 5 500 mm (196.89 ... 216.54 inch) ²⁾³⁾		5 D
Bent probes also available.		
Please contact a local sales person for details.		
Process connection (316L stainless steel)		
<u>Single piece flange, raised face</u>		
1½", ASME, 150 lb		B 1
1½", ASME, 300 lb		B 2
1½", ASME, 600 lb		B 3
2", ASME, 150 lb		C 1
2", ASME, 300 lb		C 2
2", ASME, 600 lb		C 3
3", ASME, 150 lb ²⁾		D 1
3", ASME, 300 lb ²⁾		D 2
3", ASME, 600 lb ²⁾		D 3
4", ASME, 150 lb ²⁾		E 1
4", ASME, 300 lb ²⁾		E 2
4", ASME, 600 lb ²⁾		E 3
6", ASME, 150 lb ²⁾		F 1
6", ASME, 300 lb ²⁾		F 2
6", ASME, 600 lb ²⁾		F 3

Selection and Ordering data		Article No.
SITRANS LC500, Single Piece Flanged with Rod Sensor		7ML5517-
Inverse frequency shift capacitance level and interface transmitter for extreme and critical process conditions, such as oil and liquid gas, toxic and aggressive chemicals and vapours.		
<u>Single piece flange, Type B1 raised face</u>		
DN 40, PN 16		K 4
DN 40, PN 40		K 5
DN 50, PN 16		L 4
DN 50, PN 40		L 5
DN 80, PN 16		M 4
DN 80, PN 40 ²⁾		M 5
DN 100, PN 16 ²⁾		N 4
DN 100, PN 40 ²⁾		N 5
DN 125, PN 16 ²⁾		P 4
DN 125, PN 40 ²⁾		P 5
<u>Single piece flange with PTFE flange facing</u> <u>(applicable with versions 0A ... 3A and 0C ... 5C)⁴⁾</u>		
1½" ASME, 150 lb		B 4
1½", ASME, 300 lb		B 5
1½", ASME, 600 lb		B 6
2", ASME, 150 lb		C 4
2", ASME, 300 lb		C 5
2", ASME, 600 lb		C 6
3", ASME, 150 lb ²⁾		D 4
3", ASME, 300 lb ²⁾		D 5
3", ASME, 600 lb ²⁾		D 6
4", ASME, 150 lb ²⁾		E 4
4", ASME, 300 lb ²⁾		E 5
4", ASME, 600 lb ²⁾		E 6
6", ASME, 150 lb ²⁾		F 4
6", ASME, 300 lb ²⁾		F 5
6", ASME, 600 lb ²⁾		F 6
<u>Single piece flange with PTFE flange facing</u> <u>(applicable with versions 0A ... 3A, 0C ... 5C)⁴⁾</u>		
DN 40, PN 16		K 6
DN 40, PN 40		K 7
DN 50, PN 16		L 6
DN 50, PN 40		L 7
DN 80, PN 16		M 6
DN 80, PN 40 ²⁾		M 7
DN 100, PN 16 ²⁾		N 6
DN 100, PN 40 ²⁾		N 7
DN 125, PN 16 ²⁾		P 6
DN 125, PN 40 ²⁾		P 7
(Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5, or EN 1092-1 standard.)		
Sanitary, hastelloy, duplex or other custom process connections available.		
Please contact a local sales person for details.		

Selection and Ordering data	Article No.
SITRANS LC500, Single Piece Flanged with Rod Sensor Inverse frequency shift capacitance level and interface transmitter for extreme and critical process conditions, such as oil and liquid gas, toxic and aggressive chemicals and vapours.	7ML5517-
Approvals General Purpose: CE, CSA, FM, RCM CSA / FM Class I, Div. 2, Groups A, B, C, D CSA / FM Class II, III, Div. 1, Groups E, F, G T4 ATEX II 3G 2D EEx nA [ib] IIC T6 ... T4 T 100 °C ATEX II 1/2 GD EEx d [ia] IIC T6 ... T1 T 100 °C FM Class I, Div. 1, Groups A, B, C, D, T4	1 2 4 6
Enclosure/Cable inlet Aluminum epoxy coated 2 x ½" NPT, IP68 2 x M20 x 1.5 (IP68, adapter) Stainless steel Please contact a local sales person for details.	1 2
Options None	A
Thermal isolator/remote version Without thermal isolator Isolator, only for use when temperature range is outside of -40 ... +85 °C (-40 ... +185 °F), explosion proof approval -40 ... +70 °C (-40 ... +158 °F) Remote electronics with mounting bracket and cable ⁵⁾ - Length: 2 m (79 inch) - Length: 3 m (118 inch) - Length: 4 m (158 inch) - Length: 5 m (197 inch)	A B C D E F
Electronic output No transmitter supplied 2-wire loop current 4 ... 20 mA (transmitter MSP 2002-2 _3300 pF)	0 1

1) A minimum span of 3 pF must be maintained

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

3) Available with process connection 2" or larger, and only available with process connection options C1 ... F3, L4 ... P5

4) Not available with versions 0E and 0F

5) Available with approval option 1 only

Customers interested in a custom designed device should consult a local sales person. For more information, please visit http://www.automation.siemens.com/aspa_app.

Selection and Ordering data	Order code
Further designs Please add "-Z" to Article No. and specify Order code(s). Insertion length, specify in plain text: Y01: ... mm Active shield length, specify in plain text [min. length is 50 mm (2 inch), max. length is 3 350 mm (131.89 inch)]: Y02: ... mm Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters) specify in plain text Manufacturer's test certificate: M to DIN 55350, Part 18 and to ISO 9000 Inspection Certificate Type 3.1 per EN 10204 Manufacturing Test Report (Electrode Test)	 Y01 Y02 Y15 C11 C12 C18
Operating Instructions	See page 4/359
Accessories	See page 4/359

Selection and Ordering data	Article No.
SITRANS LC500, Extended Cable version with Rod Sensor, threaded connection or welded flange¹⁾ Inverse frequency shift capacitance level and interface transmitter for short range continuous measurement in large storage vessels. Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	7ML5523-
Version²⁾ Rod, 16 mm (0.63 inch), PFA insulated and 316L stainless steel flexible extension tube Total insertion length: <u>Add Order code Y01 and plain text: "Total insertion length ... mm and Y02 and plain text:</u> <u>Active shield length ... mm"</u> ³⁾⁴⁾ • 5 000 ... 10 000 mm (196.85 ... 393.70 inch)¹⁾ • 10 001 ... 15 000 mm (393.74 ... 590.55 inch)¹⁾ • 15 001 ... 20 000 mm (590.59 ... 787.40 inch)¹⁾ • 20 001 ... 25 000 mm (787.44 ... 984.25 inch)¹⁾ • 25 001 ... 30 000 mm (984.29 ... 1181.10 inch)¹⁾ • 30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)¹⁾ Rod, 24 mm (0.94 inch), PFA insulated and 316L stainless steel flexible extension tube Total insertion length: <u>Add Order code Y01 and plain text: "Total insertion length ... mm and Y02 and plain text:</u> <u>Active shield length ... mm"</u> ³⁾⁴⁾ • 5 000 ... 10 000 mm (196.85 ... 393.70 inch)¹⁾ • 10 001 ... 15 000 mm (393.74 ... 590.55 inch)¹⁾ • 15 001 ... 20 000 mm (590.59 ... 787.40 inch)¹⁾ • 20 001 ... 25 000 mm (787.44 ... 984.25 inch)¹⁾ • 25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)¹⁾ • 30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)¹⁾	0 A 1 A 2 A 3 A 4 A 5 A 0 B 1 B 2 B 3 B 4 B 5 B
Process connection (316L stainless steel) Threaded connection 2" NPT [(Taper), ANSI/ASME B1.20.1] R 2" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203] G 2" [(BSPP), EN ISO 228-1/PF (JIS-P) JIS B 0202] Welded flange, raised face 2", ASME, 150 lb 2", ASME, 300 lb 3", ASME, 150 lb ¹⁾ 3", ASME, 300 lb ¹⁾ 4", ASME, 150 lb ¹⁾ 4", ASME, 300 lb ¹⁾ 6", ASME, 150 lb ¹⁾ 6", ASME, 300 lb ¹⁾ Welded flange, Type A flat faced DN 50, PN 16 DN 50, PN 40 DN 80, PN 16 DN 80, PN 40 ¹⁾ DN 100, PN 16 ¹⁾ DN 100, PN 40 ¹⁾ DN 125, PN 16 ¹⁾ DN 125, PN 40 ¹⁾ (Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5, or EN 1092-1 standard.) Sanitary, hastelloy, duplex or other custom process connections available. Please contact a local sales person for details.	A 0 B 0 D 0 C 1 C 2 D 1 D 2 E 1 E 2 F 1 F 2 L 4 L 5 M 4 M 5 N 4 N 5 P 4 P 5
Approvals General Purpose: CE, CSA, FM, RCM CSA / FM Class I, Div. 2, Groups A, B, C, D CSA / FM Class II, III, Div. 1, Groups E, F, G T4 ATEX II 3G 2D EEx nA [ib] IIC T6 ... T4 T 100 °C ATEX II 1/2 GD EEx d [ia] IIC T6 ... T1 T 100 °C FM Class I, Div. 1, Groups A, B, C, D T4	1 2 4 6

Selection and Ordering data	Article No.
SITRANS LC500, Extended Cable version with Rod Sensor, threaded connection or welded flange¹⁾ Inverse frequency shift capacitance level and interface transmitter for short range continuous measurement in large storage vessels.	7ML5523-
Enclosure/Cable inlet <u>Aluminum epoxy coated</u> 2 x 1/2" NPT, IP68 2 x M20 x 1.5 (IP68, adapter) Stainless steel Please contact a local sales person for details.	1 2 A B
Options No additional options With mounting eye	A B
Thermal isolator Without thermal isolator Isolator, only for use when temperature range is outside of -40 ... +85 °C (-40 ... +185 °F), explosion proof approval -40 ... +70 °C (-40 ... +158 °F)	A B
Electronic output No transmitter supplied 2-wire loop current 4 ... 20 mA (transmitter MSP 2002-2 _3300 pF)	0 1

1) Custom shipping methods required. Contact factory for more details.
 2) A minimum span of 3 pF must be maintained.
 3) See dimension drawings on page 4/368 for further explanation of Y01.
 4) Inactive length is equal to the flexible extension plus transition.
 See dimension drawings on page 4/368 for further explanation of Y02.
 Customers interested in a custom designed device should consult a local sales person. For more information, please visit http://www.automation.siemens.com/aspa_app.

Selection and Ordering data		Order code	Selection and Ordering data	Article No.
Further designs			Accessories	
Please add "-Z" to Article No. and specify Order code(s).			General Purpose	
Insertion length, specify in plain text: Y01: to mm (Includes measuring range plus cable extension) - see dimensional information on page 4/368		Y01	1/2" NPT General Purpose Cable Entry IP68/IP69K NEMA6, -40 ... +100 °C (-40 ... +212 °F), cable size 6 ... 12 mm (0.236 ... 0.472 inch)	7ML1830-1JA
Active shield/cable extension length, specify in plain text [min. length is 50 mm (2 inch), max. length is 5 500 mm (216.54 inch)]: Y02: to mm (see dimensional information on page 4/368)		Y02	M20 x 1.5 General Purpose Cable Entry IP68/IP69K NEMA6, -40 ... +100 °C (-40 ... +212 °F), cable size 7 ... 12 mm (0.275 ... 0.472 inch)	7ML1830-1JC
Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters) specify in plain text		Y15	Hazardous Locations	
Manufacturer's test certificate M to DIN 55350, Part 18 and to ISO 9000		C11	1/2" NPT EMC rated Cable Gland: Dust Ignition Proof, Flameproof Exd, and Increased Safety ATEX II 2 GD ExtD A21 (Zone 1, Zone 2, Zone 21, Zone 22, and in Gas Groups IIA, IIB and IIC) -60 ... +80 °C IP66, IP67, IP68, NEMA4X, cable sizes 5.5 ... 12 mm (0.216 ... 0.472 inch)	7ML1830-1JB
Inspection Certificate Type 3.1 per EN 10204		C12	M20 EMC rated Cable Gland: Dust Ignition Proof, Flameproof Exd, and Increased Safety ATEX II 2 GD ExtD A21 (Zone 1, Zone 2, Zone 21, Zone 22, and in Gas Groups IIA, IIB and IIC) -60 ... +80 °C IP66, IP67, IP68, NEMA4X, cable sizes 5.5 ... 12 mm (0.216 ... 0.472 inch)	7ML1830-1JD
Operating Instructions		Article No.	Transmitter, MSP 2002-1, 330 PF ¹⁾	7ML1830-1JP
English		7ML1998-5GE04	Transmitter, MSP 2002-2, 3 300 PF ¹⁾	7ML1830-1JQ
German		7ML1998-5GE33	Transmitter, MSP 2002-3, 6 600 PF (used with conductive fluids and probe lengths > 10 000 mm) ¹⁾	7ML1830-1JR
Note: The Operating Instructions should be ordered as a separate line item on the order.			SITRANS RD100, loop powered display - see Chapter 7	7ML5741-...
All literature is available to download for free, in a range of languages, at http://www.siemens.com/processinstrumentation/documentation			SITRANS RD200, universal input display with Modbus conversion - see Chapter 7	7ML5740-...
This device is shipped with the Siemens Level and Weighing manual DVD containing the ATEX Quick Start and Operating Instructions library.			SITRANS RD300, dual line display with totalizer and linearization curve and Modbus conversion - see Chapter 7	7ML5744-...
			SITRANS RD500 web, universal remote monitoring solution for instrumentation - see Chapter 7	7ML5750-...
			For applicable back up point level switch - see point level measurement section	

¹⁾ Transmitters not suitable for Intrinsically Safe application (ATEX II 1G EEx ia IIC T4 or CSA/FM Class I Div. 1 Groups A, B, C and D)

Customers interested in a custom designed device should consult local sales person. For more information, please visit http://www.automation.siemens.com/aspa_app.