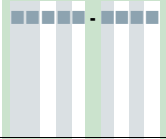


Selection and Ordering data	Order No.
<b>Pointek CLS300 - Standard - Rod Version with Threaded or Flanged process connection</b>	C) <b>7ML5650-</b>
Inverse frequency shift capacitance level switch with optional rod/cable choices and configurable output. It is ideal for detecting liquids, solids, slurries, foam, and interfaces in demanding conditions where high pressure and temperatures are present.	
<b>Process connection</b> <u>Threaded, 316L stainless steel</u>	
¾" NPT [(Taper), ANSI/ASME B1.20.1]	<b>0 A</b>
1" NPT [(Taper), ANSI/ASME B1.20.1]	<b>0 B</b>
1¼" NPT [(Taper), ANSI/ASME B1.20.1]	<b>0 C</b>
1½" NPT [(Taper), ANSI/ASME B1.20.1]	<b>0 D</b>
R ¾" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	<b>1 A</b>
R 1" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	<b>1 B</b>
R 1½" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	<b>1 D</b>
G ¾" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	<b>3 A</b>
G 1" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	<b>3 B</b>
G 1½" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	<b>3 D</b>
<u>Welded flange, 316L stainless steel, raised face</u>	
1" ASME, 150 lb	<b>5 A</b>
1" ASME, 300 lb	<b>5 B</b>
1" ASME, 600 lb	<b>5 C</b>
1½" ASME, 150 lb	<b>5 D</b>
1½" ASME, 300 lb	<b>5 E</b>
1½" ASME, 600 lb	<b>5 F</b>
2" ASME, 150 lb	<b>5 G</b>
2" ASME, 300 lb	<b>5 H</b>
2" ASME, 600 lb	<b>5 J</b>
3" ASME, 150 lb	<b>5 K</b>
3" ASME, 300 lb	<b>5 L</b>
3" ASME, 600 lb	<b>5 M</b>
4" ASME, 150 lb	<b>5 N</b>
4" ASME, 300 lb	<b>5 P</b>
4" ASME, 600 lb	<b>5 Q</b>
<u>Welded flange, 316L stainless steel, Type A flat faced</u>	
DN 25, PN 16	<b>6 A</b>
DN 25, PN 40	<b>6 B</b>
DN 40, PN 16	<b>6 C</b>
DN 40, PN 40	<b>6 D</b>
DN 50, PN 16	<b>6 E</b>
DN 50, PN 40	<b>6 F</b>
DN 80, PN 16	<b>6 G</b>
DN 80, PN 40	<b>6 H</b>
DN 100, PN 16	<b>6 J</b>
DN 100, PN 40	<b>6 K</b>
(Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5 or EN 1092-1 standard.)	
<b>Probe length</b> (length from flange face) (threaded lengths include process thread)	
<u>Note: No Y01 needed in order code for standard lengths</u>	
Standard version, rod 350 mm (13.78 inch)	<b>A</b>
Extended rod, length 500 mm (19.69 inch)	<b>B</b>
Extended rod, length 750 mm (29.53 inch)	<b>C</b>
Extended rod, length 1000 mm (39.37 inch)	<b>D</b>

Selection and Ordering data	Order No.
<b>Pointek CLS300 - Standard - Rod Version with Threaded or Flanged process connection</b>	C) <b>7ML5650-</b>
Inverse frequency shift capacitance level switch with optional rod/cable choices and configurable output. It is ideal for detecting liquids, solids, slurries, foam, and interfaces in demanding conditions where high pressure and temperatures are present.	
<u>Add order code Y01 and plain text: "Insertion length ... mm"</u>	
Extended rod, factory adjusted length 250 ... 499 mm (9.8 ... 19.65 inch)	<b>E</b>
Extended rod, factory adjusted length 500 ... 749 mm (19.69 ... 29.49 inch)	<b>F</b>
Extended rod, factory adjusted length 750 ... 999 mm (29.53 ... 39.3 inch)	<b>G</b>
<b>Thermal isolator</b>	
Without thermal isolator	<b>0</b>
With thermal isolator [for process connection temperatures over +85 °C (+185 °F)]	<b>1</b>
<b>Wetted seals</b>	
FKM	<b>0</b>
FFKM [for process temperatures above -20°C (-4°F)]	<b>1</b>
<b>Probe material</b>	
316L stainless steel with PFA lining and PEEK isolators	<b>0</b>
<b>Approvals</b>	
Dust Ignition Proof with IS Probe: CE, C-TICK, ATEX II 1/2 D T100 °C	<b>C</b>
Flameproof Enclosure with IS Probe: CE, C-TICK, ATEX II 1/2 G EEx d[ia] IIC T6...T1, ATEX II 1/2 D T100 °C	<b>D</b>
Flameproof Enclosure with IS Probe, with WHG approval: CE, C-TICK, ATEX II 1/2 G EEx d[ia] IIC T6...T1, ATEX II 1/2 D T100 °C	<b>E</b>
Dust Ignition Proof with IS Probe: CSA/FM Class II, Div. 1, Gr. E, F, G CSA/FM Class III T4	<b>F</b>
Explosion Proof Enclosure with IS Probe: CSA/FM Class I, Div. 1, Gr. A, B, C, D CSA/FM Class II, Div. 1, Gr. E, F, G CSA/FM Class III T4	<b>G</b>
General Purpose (CSA, FM)	<b>H</b>
General Purpose (CE, C-TICK)	<b>J</b>
General Purpose with WHG approval (CSA, FM, CE, C-TICK)	<b>K</b>
<b>Enclosure and lid</b>	
<u>Aluminum epoxy coated</u>	
2 x ½" NPT via adapter - cable inlet, IP65	<b>A</b>
2 x M20x1.5 cable inlet, IP65	<b>B</b>
2 x ½" NPT via adapter - cable inlet, IP68	<b>C</b>
2 x M20x1.5 cable inlet, IP68	<b>D</b>
<b>Active shield length</b>	
Standard length - (125 mm threaded, 105 mm flanged)	<b>0</b>
Extended shield - (250 mm threaded, 230 mm flanged) <sup>1)</sup>	<b>1</b>
Extended shield - (400 mm threaded, 380 mm flanged) <sup>2)</sup>	<b>2</b>
<sup>1)</sup> Available with Probe version options B to D, F, G only [≥ 500 mm (19.69 inch)]	
<sup>2)</sup> Available with Probe version options C, D, and, G only [≥ 750 mm (29.53 inch)]	

C) Subject to export regulations AL: N, ECCN: EAR99.

Selection and Ordering data	Order code	Selection and Ordering data	Order No.
<b>Further designs</b>		<b>Pointek CLS300 - Standard - Cable Version with Threaded or Flanged process connection</b>	C) <b>7ML5651-</b>
Please add "-Z" to Order No. and specify Order code(s).		Inverse frequency shift capacitance level switch with optional rod/cable choices and configurable output. It is ideal for detecting liquids, solids, slurries, foam, and interfaces in demanding conditions where high pressure and temperatures are present.	
Total insertion length: enter the total insertion length in plain text description	<b>Y01</b>		
Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 16 characters) specify in plain text	<b>Y15</b>		
Manufacturer's test certificate: M to DIN 55350, Part 18 and to ISO 9000	<b>C11</b>	<b>Process connection</b> <u>Threaded, 316L stainless steel</u>	
Inspection Certificate Type 3.1 per EN 10204	<b>C12</b>	1¼" NPT [(Taper), ANSI/ASME B1.20.1] 1½" NPT [(Taper), ANSI/ASME B1.20.1] R 1½" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203] G 1½" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	<b>0 C</b> <b>0 D</b> <b>1 D</b> <b>3 D</b>
<b>Operating Instructions</b>	<b>See page 5/57</b>	<u>Welded flange, 316L stainless steel, raised face</u>	
Note: The Operating Instructions should be ordered as a separate line on the order. This device is shipped with the Siemens Milltronics manual CD containing the complete ATEX Quick Start and manual library.	<b>See page 5/57</b>	1½" ASME, 150 lb 1½" ASME, 300 lb 1½" ASME, 600 lb	<b>5 D</b> <b>5 E</b> <b>5 F</b>
<b>Accessories</b>	<b>See page 5/57</b>	2" ASME, 150 lb 2" ASME, 300 lb 2" ASME, 600 lb	<b>5 G</b> <b>5 H</b> <b>5 J</b>
		3" ASME, 150 lb 3" ASME, 300 lb 3" ASME, 600 lb	<b>5 K</b> <b>5 L</b> <b>5 M</b>
		4" ASME, 150 lb 4" ASME, 300 lb 4" ASME, 600 lb	<b>5 N</b> <b>5 P</b> <b>5 Q</b>
		<u>Welded flange, 316L stainless steel, Type A flat faced</u>	
		DN 40, PN 16 DN 40, PN 40 DN 50, PN 16	<b>6 C</b> <b>6 D</b> <b>6 E</b>
		DN 50, PN 40 DN 80, PN 16 DN 80, PN 40	<b>6 F</b> <b>6 G</b> <b>6 H</b>
		DN 100, PN 16 DN 100, PN 40 (Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5 or EN 1092-1 standard.)	<b>6 J</b> <b>6 K</b>
		<b>Probe length</b> (length from flange face) (threaded lengths include process thread) <u>Note: No Y01 needed in order code for standard lengths</u>	
		Extended cable, 3000 mm (118.11 inch), length can be shortened by customer	<b>A</b>
		Extended cable, 6000 mm (236.22 inch), length can be shortened by customer	<b>B</b>
		Add order code Y01 and plain text: <u>"Insertion length ... mm"</u>	
		Extended cable, 500 ... 1000 mm (19.69 ... 39.37 inch)	<b>E</b>
		Extended cable, 1001 ... 5000 mm (39.41 ... 196.85 inch)	<b>F</b>
		Extended cable, 5001 ... 10000 mm (196.89 ... 393.70 inch)	<b>G</b>
		Extended cable, 10001 ... 15000 mm (393.74 ... 590.55 inch)	<b>H</b>
		Extended cable, 15001 ... 20000 mm (590.59 ... 787.40 inch)	<b>J</b>
		Extended cable, 20001 ... 25000 mm (787.44 ... 984.25 inch)	<b>K</b>
		<b>Thermal isolator</b>	
		Without thermal isolator	<b>0</b>
		With thermal isolator [for process connection temperatures over +85 °C (+185 °F)]	<b>1</b>

Selection and Ordering data	Order No.	Selection and Ordering data	Order code
<b>Pointek CLS300 - Standard - Cable Version with Threaded or Flanged process connection</b> Inverse frequency shift capacitance level switch with optional rod/cable choices and configurable output. It is ideal for detecting liquids, solids, slurries, foam, and interfaces in demanding conditions where high pressure and temperatures are present.	C) <b>7ML5651-</b> 	<b>Further designs</b> Please add "-Z" to Order No. and specify Order code(s). Total insertion length: enter the total insertion length in plain text description	
<b>Wetted seals</b> FKM FFKM [for process temperatures above -20°C (-4°F)]	0 1	Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]; Measuring-point number/identification (max. 16 characters) specify in plain text Manufacturer's test certificate: M to DIN 55350, Part 18 and to ISO 9000	<b>Y01</b>          <b>C11</b>
<b>Probe material</b> Bare 316L stainless steel cable, PEEK isolators and 316L stainless steel cable weight PFA coated cable, PEEK isolators and 316L stainless steel cable weight	0 1	Inspection Certificate Type 3.1 per EN 10204 <b>Operating Instructions</b> Note: The Operating Instructions should be ordered as a separate line on the order. This device is shipped with the Siemens Milltronics manual CD containing the complete ATEX Quick Start and manual library.	<b>C12</b>          <b>See page 5/57</b>
<b>Approvals</b> Dust Ignition Proof with IS Probe: CE, C-TICK, ATEX II 1/2 D T100 °C  Flameproof Enclosure with IS Probe: CE, C-TICK, ATEX II 1/2 G EEx d[ia] IIC T6...T1, ATEX II 1/2 D T100 °C Flameproof Enclosure with IS Probe, with WHG approval: CE, C-TICK, ATEX II 1/2 G EEx d[ia] IIC T6...T1, ATEX II 1/2 D T100 °C  Dust Ignition Proof with IS Probe: CSA/FM Class II, Div. 1, Gr. E, F, G CSA/FM Class III T4  Explosion Proof Enclosure with IS Probe: CSA/FM Class I, Div. 1, Gr. A, B, C, D CSA/FM Class II, Div. 1, Gr. E, F, G CSA/FM Class III T4  General Purpose (CSA, FM) General Purpose (CE, C-TICK) General Purpose with WHG approval (CSA, FM, CE, C-TICK)	C  D  E  F  G  H  J  K	<b>Accessories</b>	<b>See page 5/57</b>
<b>Enclosure and lid</b> <u>Aluminum epoxy coated</u> 2 x ½" NPT via adapter - cable inlet, IP65 2 x M20x1.5 cable inlet, IP65 2 x ½" NPT via adapter - cable inlet, IP68 2 x M20x1.5 cable inlet, IP68	A B C D		
<b>Active shield length</b> Standard length - (125 mm threaded, 105 mm flanged) Extended shield - (250 mm threaded, 230 mm flanged) <sup>1)</sup> Extended shield - (400 mm threaded, 380 mm flanged) <sup>1)</sup>	0 1 2		

<sup>1)</sup> Available with Probe version options A, B, F to K, only [≥ 1000 mm (39.7 inch)]

C) Subject to export regulations AL: N, ECCN: EAR99.

Selection and Ordering data	Order No.
<b>Pointek CLS300 - Standard - High Temperature Rod Version with Threaded or Flanged process connection</b>	<b>7ML5652-</b>
Inverse frequency shift capacitance level switch with optional rod/cable choices and configurable output. It is ideal for detecting liquids, solids, slurries, foam, and interfaces in demanding conditions where high pressure and temperatures are present.	0 0 - 0
<b>Process connection</b> <u>Threaded, 316L stainless steel</u>	
¾" NPT [(Taper), ANSI/ASME B1.20.1]	0 A
1" NPT [(Taper), ANSI/ASME B1.20.1]	0 B
1½" NPT [(Taper), ANSI/ASME B1.20.1]	0 C
1½" NPT [(Taper), ANSI/ASME B1.20.1]	0 D
R ¾" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	1 A
R 1" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	1 B
R 1½" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	1 D
G ¾" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	3 A
G 1" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	3 B
G 1½" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	3 D
<u>Welded flange, 316L stainless steel, raised face</u>	
1" ASME, 150 lb	5 A
1" ASME, 300 lb	5 B
1" ASME, 600 lb	5 C
1½" ASME, 150 lb	5 D
1½" ASME, 300 lb	5 E
1½" ASME, 600 lb	5 F
2" ASME, 150 lb	5 G
2" ASME, 300 lb	5 H
2" ASME, 600 lb	5 J
3" ASME, 150 lb	5 K
3" ASME, 300 lb	5 L
3" ASME, 600 lb	5 M
4" ASME, 150 lb	5 N
4" ASME, 300 lb	5 P
4" ASME, 600 lb	5 Q
<u>Welded flange, 316L stainless steel, Type A flat faced</u>	
DN 25, PN 16	6 A
DN 25, PN 40	6 B
DN 40, PN 16	6 C
DN 40, PN 40	6 D
DN 50, PN 16	6 E
DN 50, PN 40	6 F
DN 80, PN 16	6 G
DN 80, PN 40	6 H
DN 100, PN 16	6 J
DN 100, PN 40	6 K
(Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5 or EN 1092-1 standard.)	
<b>Probe length</b> (length from flange face) (threaded lengths include process thread)	
<u>Note: No Y01 needed in order code for standard lengths</u>	
Rod 350 mm (13.78 inch)	A
Extended rod, length 500 mm (19.69 inch)	B
Extended rod, length 750 mm (29.53 inch)	C
Extended rod, length 1000 mm (39.37 inch)	D

Selection and Ordering data	Order No.
<b>Pointek CLS300 - Standard - High Temperature Rod Version with Threaded or Flanged process connection</b>	<b>7ML5652-</b>
Inverse frequency shift capacitance level switch with optional rod/cable choices and configurable output. It is ideal for detecting liquids, solids, slurries, foam, and interfaces in demanding conditions where high pressure and temperatures are present.	0 0 - 0
<b>Process connection</b> <u>Threaded, 316L stainless steel</u>	
¾" NPT [(Taper), ANSI/ASME B1.20.1]	E
1" NPT [(Taper), ANSI/ASME B1.20.1]	F
1½" NPT [(Taper), ANSI/ASME B1.20.1]	G
1½" NPT [(Taper), ANSI/ASME B1.20.1]	
R ¾" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	
R 1" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	
R 1½" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	
G ¾" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	0
G 1" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	0
G 1½" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	
<u>Welded flange, 316L stainless steel, raised face</u>	
1" ASME, 150 lb	C
1" ASME, 300 lb	D
1" ASME, 600 lb	E
1½" ASME, 150 lb	
1½" ASME, 300 lb	F
1½" ASME, 600 lb	G
2" ASME, 150 lb	H
2" ASME, 300 lb	J
2" ASME, 600 lb	K
3" ASME, 150 lb	
3" ASME, 300 lb	
3" ASME, 600 lb	
4" ASME, 150 lb	
4" ASME, 300 lb	
4" ASME, 600 lb	
<u>Welded flange, 316L stainless steel, Type A flat faced</u>	
DN 25, PN 16	A
DN 25, PN 40	B
DN 40, PN 16	C
DN 40, PN 40	D
DN 50, PN 16	
DN 50, PN 40	
DN 80, PN 16	0
DN 80, PN 40	1
DN 100, PN 16	2
DN 100, PN 40	
(Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5 or EN 1092-1 standard.)	
<b>Probe length</b> (length from flange face) (threaded lengths include process thread)	
<u>Note: No Y01 needed in order code for standard lengths</u>	
Rod 350 mm (13.78 inch)	
Extended rod, length 500 mm (19.69 inch)	
Extended rod, length 750 mm (29.53 inch)	
Extended rod, length 1000 mm (39.37 inch)	
<b>Add order code Y01 and plain text:</b> "Insertion length ... mm"	
Extended rod, factory adjusted length 250 ... 499 mm (9.8 ... 19.65 inch)	
Extended rod, factory adjusted length 500 ... 749 mm (19.69 ... 29.49 inch)	
Extended rod, factory adjusted length 750 ... 999 mm (29.53 ... 39.3 inch)	
<b>Wetted seals</b>	
Graphite	0
<b>Probe material</b>	
316L stainless steel with ceramic (ZrO <sub>2</sub> ) isolators	0
<b>Approvals</b>	
Dust Ignition Proof with IS Probe: CE, C-TICK, ATEX II 1/2 D T100 °C	
Flameproof Enclosure with IS Probe: CE, C-TICK, ATEX II 1/2 G EEx d[ia] IIC T6...T1, ATEX II 1/2 D T100 °C	
Flameproof Enclosure with IS Probe, with WHG approval: CE, C-TICK, ATEX II 1/2 G EEx d[ia] IIC T6...T1, ATEX II 1/2 D T100 °C	
Dust Ignition Proof with IS Probe: CSA/FM Class II, Div. 1, Gr. E, F, G CSA/FM Class III T4	
Explosion Proof Enclosure with IS Probe: CSA/FM Class I, Div. 1, Gr. A, B, C, D CSA/FM Class II, Div. 1, Gr. E, F, G CSA/FM Class III T4	
General Purpose (CSA, FM)	
General Purpose (CE, C-TICK)	
General Purpose with WHG approval (CSA, FM, CE, C-TICK)	
<b>Enclosure and lid</b> <u>Aluminum epoxy coated</u>	
2 x ½" NPT via adapter - cable inlet, IP65	A
2 x M20x1.5 cable inlet, IP65	B
2 x ½" NPT via adapter - cable inlet, IP68	C
2 x M20x1.5 cable inlet, IP68	D
<b>Active shield length</b>	
Standard length - (125 mm threaded, 105 mm flanged)	0
Extended shield - (250 mm threaded, 230 mm flanged) <sup>1)</sup>	1
Extended shield - (400 mm threaded, 380 mm flanged) <sup>2)</sup>	2
1) Available with Probe version options B to D, F, G only [≥ 500 mm (19.69 inch)]	
2) Available with Probe version options C, D, and, G only [≥ 750 mm (29.53 inch)]	
C) Subject to export regulations AL: N, ECCN: EAR99H.	

<b>Selection and Ordering data</b>	Order code
<p><b>Further designs</b></p> <p>Please add "-Z" to Order No. and specify Order code(s).</p>	
<p>Total insertion length: enter the total insertion length in plain text description</p>	<b>Y01</b>
<p>Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 16 characters) specify in plain text</p>	<b>Y15</b>
<p>Manufacturer's test certificate: M to DIN 55350, Part 18 and to ISO 9000</p>	<b>C11</b>
<p>Inspection Certificate Type 3.1 per EN 10204</p>	<b>C12</b>
<p><b>Operating Instructions</b></p> <p>Note: The Operating Instructions should be ordered as a separate line on the order. This device is shipped with the Siemens Milltronics manual CD containing the complete ATEX Quick Start and manual library.</p>	<b>See page 5/57</b>
<p><b>Accessories</b></p>	<b>See page 5/57</b>