

Selection and Ordering data

Article No.

Pointek CLS200 - Standard - Rod Version with Threaded or Flanged process connection

7ML5630-
- 0

Versatile inverse frequency shift capacitance level and material detection switch with optional rod/ cable choices and configurable output. CLS200 is ideal for detection of liquids, solids, slurries, foam, and interfaces, and has the ability to tune out buildup on the probe.

➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.

Process connection

Threaded, 316L stainless steel

- 3/4" NPT [(Taper), ANSI/ASME B1.20.1] 0 A
- 1" NPT [(Taper), ANSI/ASME B1.20.1] 0 B
- 1 1/4" NPT [(Taper), ANSI/ASME B1.20.1] 0 C
- 1 1/2" NPT [(Taper), ANSI/ASME B1.20.1] 0 D
- R 3/4" [(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 1 1/2" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203] 1 D
- G 3/4" [(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 1 1/2" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202] 3 D

Welded flange, 316L stainless steel, raised face

- 1" ASME, 150 lb 5 A
- 1" ASME, 300 lb 5 B
- 1" ASME, 600 lb 5 C
- 1 1/2" ASME, 150 lb 5 D
- 1 1/2" ASME, 300 lb 5 E
- 1 1/2" 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

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

- 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.)

Probe length (length from flange face)
(threaded lengths include process thread)

Note: No Y01 needed in Order code for standard lengths

- Compact [threaded 120 mm (4.72 inch), Flanged 98 mm (3.86 inch)] A
- Extended rod, 250 mm (9.84 inch) B
- Extended rod, 350 mm (13.78 inch) C
- Extended rod, 500 mm (19.69 inch) D
- Extended rod, 750 mm (29.53 inch) E
- Extended rod, 1 000 mm (39.37 inch) F
- Extended rod, 1 250 mm (49.21 inch) G
- Extended rod, 1 350 mm (53.15 inch) H
- Extended rod, 1 500 mm (59.06 inch) J
- Extended rod, 1 750 mm (68.90 inch) K
- Extended rod, 2 000 mm (78.74 inch) L

Selection and Ordering data

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Pointek CLS200 - Standard - Rod Version with Threaded or Flanged process connection

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

- Extended rod, 210 ... 1 000 mm (8.27 ... 39.37 inch) M
- Extended rod, 1 001 ... 2 000 mm (39.41 ... 78.74 inch) N
- Extended rod, 2 001 ... 3 000 mm (78.78 ... 118.11 inch) P
- Extended rod, 3 001 ... 4 000 mm (118.15 ... 157.48 inch) Q
- Extended rod, 4 001 ... 5 000 mm (157.52 ... 196.85 inch) R
- Extended rod, 5 001 ... 5 500 mm (196.89 ... 216.53 inch) S

Thermal isolator

- Without thermal isolator 0
- With thermal isolator [for process connection temperatures over 85 °C (185 °F)] 1

Remote mount electronics and mounting bracket

- With 2 m (79 inch) of cable¹⁾²⁾ 2
- With 5 m (197 inch) of cable¹⁾²⁾ 3

Wetted seals

- FKM 0
- FFKM [for process temperatures above -20 °C (-4 °F)] 1

Probe material

- 316L stainless steel with PPS probe body 0
- 316L stainless steel with PVDF probe body 1

Approvals

- Dust Ignition Proof: CE, RCM, ATEX II 1/2 D T100 °C C
- Flameproof Enclosure with IS Probe: CE, RCM, ATEX II 1 G EEx d[ia] IIC T6 ... T4, ATEX II 1/2 D T100 °C D
- Flameproof Enclosure with IS Probe, with WHG approval: CE, RCM, ATEX II 1/2 G EEx d[ia] IIC T6 ... T4, ATEX II 1/2 D T100 °C E
- Dust Ignition Proof with IS Probe: CSA/FM Class II, Div. 1, Groups E, F, G CSA/FM Class III T4 F
- Explosion Proof Enclosure with IS Probe: CSA/FM Class I, Div. 1, Groups A, B, C, D CSA/FM Class II, Div. 1, Groups E, F, G CSA/FM Class III T4 G
- General Purpose (CSA, FM) H
- General Purpose (CE, RCM) J
- General Purpose (CSA, FM, CE, RCM) with WHG approval K

Enclosure and lid

- Aluminum epoxy coated
- 2 x 1/2" NPT via adapter - cable inlet, IP65 A
- 2 x M20 x 1.5 cable inlet IP65 B
- 2 x 1/2" NPT via adapter - cable inlet, IP68 C
- 2 x M20 x 1.5 cable inlet IP68 D

- 1) Barrier or Intrinsically Safe power supply required for Intrinsically Safe protection
- 2) Available with approval options F, G, and H

➤ We can offer shorter delivery times for configurations designated with the Quick Ship Symbol . For details see page 9/5 in the appendix.

Selection and Ordering data

Order code

Further designs

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

Total insertion length: enter the total insertion length in plain text description **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 ISO 9000 **C11**

Inspection Certificate Type 3.1 per EN 10204 **C12**

SIL/IEC 61508 Declaration of Conformity [SIL 2 (overspill)] **C20**

Operating Instructions

Note: The Operating Instructions should be ordered as a separate line on the order. This device is shipped with the Siemens Level and Weighing manual DVD containing the ATEX Quick Start and manual library.

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Accessories

See page 4/35

• We can offer shorter delivery times for configurations designated with the Quick Ship Symbol •. For details see page 9/5 in the appendix.

Selection and Ordering data

Article No.

Pointek CLS200 - Standard - Cable Version with Threaded or Flanged process connection

7ML5631-

Versatile inverse frequency shift capacitance level and material detection switch with optional rod/cable choices and configurable output. CLS200 is ideal for detection of liquids, solids, slurries, foam, and interfaces, and has the ability to tune out buildup on the probe.

➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.

Process connection

Threaded, 316L stainless steel

- 3/4" NPT [(Taper), ANSI/ASME B1.20.1] **0 A**
- 1" NPT [(Taper), ANSI/ASME B1.20.1] **0 B**
- 1 1/4" NPT [(Taper), ANSI/ASME B1.20.1] **0 C**
- 1 1/2" NPT [(Taper), ANSI/ASME B1.20.1] **0 D**
- R 3/4" [(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 1 1/2" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203] **1 D**
- G 3/4" [(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 1 1/2" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202] **3 D**

Welded flange, 316L stainless steel, raised face

- 1" ASME, 150 lb **5 A**
- 1" ASME, 300 lb **5 B**
- 1" ASME, 600 lb **5 C**
- 1 1/2" ASME, 150 lb **5 D**
- 1 1/2" ASME, 300 lb **5 E**
- 1 1/2" 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**

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

- 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 B-16.5 or EN 1092-1 standard.)

Probe length (length from flange face)
(threaded lengths include process thread)
Note: No Y01 needed in Order code for standard lengths

- Extended cable, 3 000 mm (118.11 inch), length can be determined by customer on assembly¹⁾ **A**
- Extended cable, 6 000 mm (236.22 inch), length can be determined by customer on assembly¹⁾ **B**
- Add Order code Y01 and plain text: "Insertion length ... mm"
- Extended cable, 500 ... 5 000 mm (19.69 ... 196.85 inch) **C**
- Extended cable, 5 001 ... 10 000 mm (196.89 ... 393.70 inch) **D**
- Extended cable, 10 001 ... 15 000 mm (393.74 ... 590.55 inch) **E**
- Extended cable, 15 001 ... 20 000 mm (590.59 ... 787.4 inch) **F**
- Extended cable, 20 001 ... 25 000 mm (787.44 ... 984.25 inch) **G**
- Extended cable, 25 001 ... 30 000 mm (984.29 ... 1 181.1 inch) **H**

Selection and Ordering data

Article No.

Pointek CLS200 - Standard - Cable Version with Threaded or Flanged process connection

Versatile inverse frequency shift capacitance level and material detection switch with optional rod/cable choices and configurable output. CLS200 is ideal for detection of liquids, solids, slurries, foam, and interfaces, and has the ability to tune out buildup on the probe.

Thermal isolator

Without thermal isolator

With thermal isolator [for process connection temperatures over 85 °C (185 °F)]

Remote mount electronics and mounting bracket

 With 2 m (79 inch) of cable²⁾

 With 5 m (197 inch) of cable²⁾
Wetted seals

FKM and PTFE

FFKM and PTFE [for process temperatures above -20 °C (-4 °F)]

Probe material

FEP jacketed cable with PPS probe body

FEP jacketed cable with PVDF probe body

Approvals

 Dust Ignition Proof:
CE, RCM, ATEX II 1/2 D T100 °C

 Flameproof Enclosure with IS Probe:
CE, RCM, ATEX II 1 G EEx d[ia] IIC T6 ... T4,
ATEX II 1/2 D T100 °C

 Flameproof Enclosure with IS Probe,
with WHG approval:
CE, RCM, ATEX II 1/2 G EEx d[ia] IIC T6 ... T4,
ATEX II 1/2 D T100 °C

 Dust Ignition Proof with IS Probe:
CSA/FM Class II, Div. 1, Groups E, F, G
CSA/FM Class III T4

 Explosion Proof Enclosure with IS Probe:
CSA/FM Class I, Div. 1, Groups A, B, C, D
CSA/FM Class II, Div. 1, Groups E, F, G
CSA/FM Class III T4

General Purpose (CSA, FM)

General Purpose (CE, RCM)

 General Purpose (CSA, FM, CE, RCM)
with WHG approval

Enclosure and lid

Aluminum epoxy coated

2 x ½" NPT via adapter - cable inlet, IP65

2 x M20 x 1.5 cable inlet, IP65

2 x ½" NPT via adapter - cable inlet, IP68

2 x M20 x 1.5 cable inlet, IP68

¹⁾ Sensor detached to allow customer to set desired cable length

²⁾ Available with Approvals options F ... H

We can offer shorter delivery times for configurations designated with the Quick Ship Symbol . For details see page 9/5 in the appendix.

7ML5631-

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0

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2

3

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C

D

E

F

G

H

J

K

A

B

C

D

Selection and Ordering data

Order code

Further designs

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

Total insertion length: enter the total insertion length in plain text description

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 ISO 9000

Inspection Certificate Type 3.1 per EN 10204

SIL/IEC 61508 Declaration of Conformity [SIL 2 (overspill)]

Operating Instructions

Note: The Operating Instructions should be ordered as a separate line on the order. This device is shipped with the Siemens Level and Weighing manual DVD containing the ATEX Quick Start and manual library.

Accessories

We can offer shorter delivery times for configurations designated with the Quick Ship Symbol . For details see page 9/5 in the appendix.

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Selection and Ordering data	Article No.
Pointek CLS200 - Standard - Rod with Sanitary process connection Versatile inverse frequency shift capacitance level and material detection switch with optional rod/ cable choices and configurable output. CLS200 is ideal for detection of liquids, solids, slurries, foam, and interfaces, and has the ability to tune out buildup on the probe. ↗ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	7ML5632-0

Process connection	
Sanitary 316L stainless steel	
1" sanitary fitting clamp	8 A
1½" sanitary fitting clamp	8 B
2" sanitary fitting clamp	8 C
2½" sanitary fitting clamp	8 D
3" sanitary fitting clamp	8 E
(Note: Sanitary connection dimensionally corresponds to the applicable ISO 2852 standard)	

Probe length (length from process connection face)	
Note: No Y01 needed in Order code for standard lengths	
Compact, 98 mm (3.86 inch)	A
Extended rod, 250 mm (9.84 inch)	B
Extended rod, 350 mm (13.78 inch)	C
Extended rod, 500 mm (19.69 inch)	D
Extended rod, 750 mm (29.53 inch)	E
Extended rod, 1 000 mm (39.37 inch)	F
Extended rod, 1 250 mm (49.21 inch)	G
Extended rod, 1 350 mm (53.15 inch)	H
Extended rod, 1 500 mm (59.06 inch)	J
Extended rod, 1 750 mm (68.90 inch)	K
Extended rod, 2 000 mm (78.74 inch)	L

Add Order code Y01 and plain text: "Insertion length ... mm"	
Extended rod, 110 ... 350 mm (4.3 ... 13.78 inch)	M
Extended rod, 351 ... 1 000 mm (13.78 ... 39.37 inch)	N
Extended rod, 1 001 ... 2 000 mm (39.41 ... 78.74 inch)	P
Extended rod, 2 001 ... 3 000 mm (78.78 ... 118.11 inch)	Q
Extended rod, 3 001 ... 4 000 mm (118.15 ... 157.48 inch)	R
Extended rod, 4 001 ... 5 000 mm (157.52 ... 196.85 inch)	S
Extended rod, 5 001 ... 5 500 mm (196.89 ... 216.53 inch)	T

Thermal isolator	
Without thermal isolator	0
With thermal isolator [for process connection temperatures over 85 °C (185 °F)]	1

Remote mount electronics and mounting bracket	
Remote mount electronics with 2 m (79 inch) of cable	2
Remote mount electronics with 5 m (197 inch) of cable	3

Wetted seals	
FKM	0
FFKM [for process temperatures above -20 °C (-4 °F)]	1

Probe material	
316L stainless steel with PPS probe body	0
316L stainless steel with PVDF probe body	1

Selection and Ordering data	Article No.
Pointek CLS200 - Standard - Rod with Sanitary process connection Versatile inverse frequency shift capacitance level and material detection switch with optional rod/ cable choices and configurable output. CLS200 is ideal for detection of liquids, solids, slurries, foam, and interfaces, and has the ability to tune out buildup on the probe.	7ML5632-0

Approvals		
Dust Ignition Proof: CE, RCM, ATEX II 1/2 D T100 °C	◆	C
Flameproof Enclosure with IS Probe: CE, RCM, ATEX II 1 G EEx d[ia] IIC T6 ... T4, ATEX II 1/2 D T100 °C	◆	D
Flameproof Enclosure with IS Probe, with WHG approval: CE, RCM, ATEX II 1/2 G EEx d[ia] IIC T6 ... T4, ATEX II 1/2 D T100 °C	◆	E
Dust Ignition Proof with IS Probe: CSA/FM Class II, Div. 1, Groups E, F, G CSA/FM Class III T4	◆	F
Explosion Proof Enclosure with IS Probe: CSA/FM Class I, Div. 1, Groups A, B, C, D CSA/FM Class II, Div. 1, Groups E, F, G CSA/FM Class III T4	◆	G
General Purpose (CSA, FM)	◆	H
General Purpose (CE, RCM)	◆	J
General Purpose (CSA, FM, CE, RCM) with WHG approval	◆	K

Enclosure and lid		
Aluminum epoxy coated		
2 x ½" NPT via adapter - cable inlet, IP65	◆	A
2 x M20 x 1.5 cable inlet, IP65	◆	B
2 x ½" NPT via adapter - cable inlet, IP68	◆	C
2 x M20 x 1.5 cable inlet, IP68	◆	D

Selection and Ordering data	Order code
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Further designs	
Please add "-Z" to Article No. and specify Order code(s).	
Total insertion length: enter the total insertion length in plain text description	◆ 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 ISO 9000	◆ C11
Inspection Certificate Type 3.1 per EN 10204	◆ C12
SIL/IEC 61508 Declaration of Conformity [SIL 2 (overspill)]	C20

Operating Instructions	
Note: The Operating Instructions should be ordered as a separate line on the order. This device is shipped with the Siemens Level and Weighing manual DVD containing the ATEX Quick Start and manual library.	See page 4/35

Accessories	
◆ We can offer shorter delivery times for configurations designated with the Quick Ship Symbol ◆. For details see page 9/5 in the appendix.	See page 4/35

Selection and Ordering data

Article No.

Pointek CLS200 - Standard - Sliding Coupling with Threaded process connection

7ML5633-
- 0

Versatile inverse frequency shift capacitance level and material detection switch with optional rod/ cable choices and configurable output. CLS200 is ideal for detection of liquids, solids, slurries, foam, and interfaces, and has the ability to tune out buildup on the probe.

➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.

Process connection

Threaded, 316L stainless steel

3/4" NPT [(Taper), ANSI/ASME B1.20.1] ➤ 0 A

1" NPT [(Taper), ANSI/ASME B1.20.1] ➤ 0 B

1 1/4" NPT [(Taper), ANSI/ASME B1.20.1] ➤ 0 C

1 1/2" NPT [(Taper), ANSI/ASME B1.20.1] ➤ 0 D

R 3/4" [(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 1 1/2" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203] ➤ 1 D

G 3/4" [(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 1 1/2" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202] ➤ 3 D

Probe length (length from flange face)

(threaded lengths include process thread)

Note: No Y01 needed in Order code for standard lengths

Extended rod, 350 mm (13.78 inch) ➤ C

Extended rod, 500 mm (19.69 inch) ➤ D

Extended rod, 750 mm (29.53 inch) ➤ E

Extended rod, 1 000 mm (39.37 inch) ➤ F

Extended rod, 1 250 mm (49.21 inch) ➤ G

Extended rod, 1 350 mm (53.15 inch) ➤ H

Extended rod, 1 500 mm (59.06 inch) ➤ J

Extended rod, 1 750 mm (68.90 inch) ➤ K

Extended rod, 2 000 mm (78.74 inch) ➤ L

Add Order code Y01 and plain text:

"Insertion length ... mm"

Extended rod, 350 ... 1 000 mm ➤ M

(13.78 ... 39.37 inch)

Extended rod, 1 001 ... 2 000 mm ➤ N

(39.41 ... 78.74 inch)

Extended rod, 2 001 ... 3 000 mm ➤ P

(78.78 ... 118.11 inch)

Extended rod, 3 001 ... 4 000 mm ➤ Q

(118.15 ... 157.48 inch)

Extended rod, 4 001 ... 5 000 mm ➤ R

(157.52 ... 196.85 inch)

Extended rod, 5 001 ... 5 500 mm ➤ S

(196.89 ... 216.53 inch)

Thermal isolator

Without thermal isolator ➤ 0

With thermal isolator [for process connection temperatures over 85 °C (185 °F)] ➤ 1

Remote mount electronics and mounting bracket

With 2 m (79 inch) of cable¹⁾ ➤ 2

With 5 m (197 inch) of cable¹⁾ ➤ 3

Wetted seals

FKM and PTFE ➤ 0

FFKM and PTFE [for process temperatures above -20 °C (-4 °F)] ➤ 1

Probe material

316L stainless steel with PPS probe body ➤ 0

316L stainless steel with PVDF probe body ➤ 1

Selection and Ordering data

Article No.

Pointek CLS200 - Standard - Sliding Coupling with Threaded process connection

7ML5633-
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Versatile inverse frequency shift capacitance level and material detection switch with optional rod/ cable choices and configurable output. CLS200 is ideal for detection of liquids, solids, slurries, foam, and interfaces, and has the ability to tune out buildup on the probe.

Approvals

Dust Ignition Proof: ➤

CE, RCM, ATEX II 1/2 D T100 °C C

Flameproof Enclosure with IS Probe: ➤

CE, RCM, ATEX II 1 G EEx d[ia] IIC T6 ... T4, ATEX II 1/2 D T100 °C D

Flameproof Enclosure with IS Probe, ➤

with WHG approval: CE, RCM, ATEX II 1/2 G EEx d[ia] IIC T6 ... T4, ATEX II 1/2 D T100 °C E

Dust Ignition Proof with IS Probe: ➤

CSA/FM Class II, Div. 1, Groups E, F, G CSA/FM Class III T4 F

Explosion Proof Enclosure with IS Probe: ➤

CSA/FM Class I, Div. 1, Groups A, B, C, D CSA/FM Class II, Div. 1, Groups E, F, G CSA/FM Class III T4 G

General Purpose (CSA, FM) ➤

General Purpose (CE, RCM) ➤

General Purpose (CSA, FM, CE, RCM) ➤

with WHG approval H

General Purpose (CE, RCM) ➤

General Purpose (CSA, FM, CE, RCM) ➤

with WHG approval J

General Purpose (CSA, FM, CE, RCM) ➤

with WHG approval K

General Purpose (CSA, FM, CE, RCM) ➤

with WHG approval L

¹⁾ Available with Approvals options F ... H

➤ We can offer shorter delivery times for configurations designated with the Quick Ship Symbol ➤. For details see page 9/5 in the appendix.

Selection and Ordering data

Order code

Further designs

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

Total insertion length: enter the total insertion length in plain text description ➤ 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 ISO 9000 ➤ C11

Inspection Certificate Type 3.1 per EN 10204 ➤ C12

SIL/IEC 61508 Declaration of Conformity [SIL 2 (overspill)] ➤ C20

Operating Instructions

Note: The Operating Instructions should be ordered as a separate line on the order. This device is shipped with the Siemens Level and Weighing manual DVD containing the ATEX Quick Start and manual library. ➤ See page 4/35

Accessories

➤ See page 4/35

➤ We can offer shorter delivery times for configurations designated with the Quick Ship Symbol ➤. For details see page 9/5 in the appendix.

Selection and Ordering data

Article No.

Pointek CLS200 - Standard - PFA Coated Rod with PFA Coated Flanged process connection
7ML5634-

Versatile inverse frequency shift capacitance level and material detection switch with optional rod/ cable choices and configurable output. CLS200 is ideal for detection of liquids, solids, slurries, foam, and interfaces, and has the ability to tune out buildup on the probe.

➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.

Process connection

Welded flange, 316L stainless steel, raised face

- 1" ASME, 150 lb
- 1" ASME, 300 lb
- 1" ASME, 600 lb
- 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 lb
- 3" ASME, 600 lb
- 4" ASME, 150 lb
- 4" ASME, 300 lb
- 4" ASME, 600 lb

- 5 A
- 5 B
- 5 C
- 5 D
- 5 E
- 5 F
- 5 G
- 5 H
- 5 J
- 5 K
- 5 L
- 5 M
- 5 N
- 5 P
- 5 Q

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

- DN 25, PN 16
- DN 25, PN 40
- DN 40, PN 16
- DN 40, PN 40
- DN 50, PN 16
- DN 50, PN 40
- DN 80, PN 16
- DN 80, PN 40
- DN 100, PN 16
- DN 100, PN 40

- 6 A
- 6 B
- 6 C
- 6 D
- 6 E
- 6 F
- 6 G
- 6 H
- 6 J
- 6 K

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

Probe length (length from flange face) (threaded lengths include process thread)

Note: No Y01 needed in Order code for standard lengths

- Compact, 98 mm (3.86 inch)
- Extended rod, 250 mm (9.84 inch)
- Extended rod, 350 mm (13.78 inch)
- Extended rod, 500 mm (19.69 inch)
- Extended rod, 750 mm (29.53 inch)
- Extended rod, 1 000 mm (39.37 inch)
- Extended rod, 1 250 mm (49.21 inch)
- Extended rod, 1 350 mm (53.15 inch)
- Extended rod, 1 500 mm (59.06 inch)
- Extended rod, 1 750 mm (68.90 inch)
- Extended rod, 2 000 mm (78.74 inch)

- A
- B
- C
- D
- E
- F
- G
- H
- J
- K
- L

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

- Extended rod, 200 ... 1 000 mm (7.87 ... 39.37 inch)
- Extended rod, 1 001 ... 2 000 mm (39.41 ... 78.74 inch)
- Extended rod, 2 001 ... 3 000 mm (78.78 ... 118.11 inch)
- Extended rod, 3 001 ... 4 000 mm (118.15 ... 157.48 inch)
- Extended rod, 4 001 ... 5 000 mm (157.52 ... 196.85 inch)
- Extended rod, 5 001 ... 5 500 mm (196.89 ... 216.53 inch)

- M
- N
- P
- Q
- R
- S

Selection and Ordering data

Article No.

Pointek CLS200 - Standard - PFA Coated Rod with PFA Coated Flanged process connection
7ML5634-

Versatile inverse frequency shift capacitance level and material detection switch with optional rod/ cable choices and configurable output. CLS200 is ideal for detection of liquids, solids, slurries, foam, and interfaces, and has the ability to tune out buildup on the probe.

Thermal isolator

Without thermal isolator
With thermal isolator [for process connection temperatures over 85 °C (185 °F)]

- 0
- 1

Remote mount electronics and mounting bracket

With 2 m (79 inch) of cable
With 5 m (197 inch) of cable

- 2
- 3

Wetted seals

FKM
FFKM [for process temperatures above -20 °C (-4 °F)]

- 0
- 1

Probe material

PFA Coated 316L stainless steel with PPS probe body
PFA Coated 316L stainless steel with PVDF probe body

- 0
- 1

Approvals

Dust Ignition Proof with IS Probe:
CSA/FM Class II, Div. 1, Groups E, F, G
CSA/FM Class III T4

- F

Explosion Proof Enclosure with IS Probe:
CSA/FM Class I, Div. 1, Groups A, B, C, D
CSA/FM Class II, Div. 1, Groups E, F, G
CSA/FM Class III T4

- G

General Purpose (CSA, FM)

- H

Enclosure and lid

Aluminum epoxy coated

- 2 x ½" NPT via adapter - cable inlet, IP65
- 2 x M20 x 1.5 cable inlet, IP65
- 2 x ½" NPT via adapter - cable inlet, IP68
- 2 x M20 x 1.5 cable inlet, IP68

- A
- B
- C
- D

Selection and Ordering data

Order code

Further designs

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

Total insertion length: enter the total insertion length in plain text description

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 ISO 9000

C11

Inspection Certificate Type 3.1 per EN 10204

C12

SIL/IEC 61508 Declaration of Conformity [SIL 2 (overspill)]

C20
Operating Instructions

Note: The Operating Instructions should be ordered as a separate line on the order. This device is shipped with the Siemens Level and Weighing manual DVD containing the ATEX Quick Start and manual library.

See page 4/35
Accessories
See page 4/35

Operating Instructions - Standard

English

7ML1998-5JH04

German

7ML1998-5JH34

Functional Safety manual, English

A5E35637149

Note: The Operating Instructions should be ordered as a separate line on the order.

All literature is available to download for free, in a range of languages, at <http://www.siemens.com/processinstrumentation/documentation>

This device is shipped with the Siemens Level and Weighing manual DVD containing the ATEX Quick Start and Operating Instructions library.

Operating Instructions - Digital

English

7ML1998-5JJ05

German

7ML1998-5JJ34

Note: The Operating Instructions should be ordered as a separate line on the order.

All literature is available to download for free, in a range of languages, at <http://www.siemens.com/processinstrumentation/documentation>

This device is shipped with the Siemens Level and Weighing manual DVD containing the ATEX Quick Start and Operating Instructions library.

Accessories

SensGuard, 3/4" NPT (PPS)

7ML1830-1DL

Only available for CLS200 with 3/4" NPT thread

SensGuard, R 1" (BSPT) (PPS)

7ML1830-1DM

Only available for CLS200 with 3/4" NPT thread

One metallic cable gland M20 x 1.5, -40 ... +80 °C (-40 ... +176 °F) with integrated shield connection (available for PROFIBUS PA)

7ML1930-1AQ**General Purpose**

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

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**Hazardous Locations**

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

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**Blind threaded flanges are available.**

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.

Pointek Specials**See page 4/79**