Level Measurement
Point level measurement – Capacitance switches

Pointek CLS100

Selection and Ordering data		Article No.
Pointek CLS100, stainless steel process connection		**7ML5501-**
Compact 2-wire inverse frequency shift capacitance switch for level detection in constricted spaces, interfaces, solids, liquids, slurries and foam		0 ▣▣▣▣
Process connection		
¾" NPT [(Taper), ANSI/ASME B1.20.1]	⬠	A
R 1" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203]	⬠	E
G 1" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	⬠	J
Approvals		
General Purpose: CE, CSA, FM, C-TICK	⬠	A
CSA/FM Class I, II and III, Div. 1, Groups A, B, C, D, E, F, G T4; ATEX II 1 GD 1/2GD EEx ia IIC T4 to T6 T107 °C [1]	⬠	C
CSA/FM Class II and III, Div. 1, Groups E, F, G[1]	⬠	G
Device version		
Integral cable version (PPS probe)	⬠	1
Enclosure version (PPS probe), ½" NPT cable inlet	⬠	3
Integral cable version with PVDF probe body	⬠	5
Enclosure version with PVDF probe body (½" NPT cable inlet)	⬠	6
Enclosure version (PPS probe), M20 x 1.5 cable inlet	⬠	7
Enclosure version with PVDF probe body, M20 x 1.5 cable inlet	⬠	8
Overfill protection		
Not required	⬠	0
Required	⬠	1

[1] Barrier or Intrinsically Safe power supply required for Intrinsically Safe protection

⬠ 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).		
Acrylic coated, stainless steel tag [13 x 45 mm (0.5 x 1.75 inch)]: Measuring-point number/identification (max. 20 characters) specify in plain text	⬠	Y17
FFKM seal O-ring[1]	⬠	A22
Inspection Certificate Type 3.1 per EN 10204	⬠	C12
Operating Instructions		Article No.
Quick start manual, multi-language		A5E32146158
Note: due to ATEX regulations one Quick start manual is included with every product. This device is shipped with the Siemens Milltronics manual DVD containing ATEX Quick Starts and Operating Instructions.		

[1] See Temperature restriction on page 4/16

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Selection and Ordering data	Article No.
Accessories	
Sensguard, ¾" NPT (PPS) Only available for CLS100 with ¾" NPT thread	7ML1830-1DL
Sensguard, R 1" (BSPT) (PPS) Only available for CLS100 with ¾" NPT thread	7ML1830-1DM
Tag, stainless steel, 12 x 45 mm (0.47 x 1.77 inch), one text line, suitable for enclosures	7ML1930-1AC
Siemens Intrinsically Safe Barrier (DC powered), ATEX II 1 G EEx ia	7NG4124-0AA00
½" NPT cable gland, nickel plated brass, fits cable diameter 6 ... 12 mm (0.24 ... 0.47 inch) -40 ... +100 °C (-40 ... +212 °F), IP68 (General Purpose)	7ML1830-1JA
M20 x 1.5 cable gland, PA polyamide, ATEX II 2G EEx e II, fits cable diameter 7 ... 12 mm (0.28 ... 0.47 inch), -20 ... +70 °C (-4 ... +158 °F), IP68 (General Purpose)	7ML1830-1JC

Selection and Ordering data		Article No.
Pointek CLS100, PPS process connection		**7ML5610-**
Compact 2-wire inverse frequency shift capacitance switch for level detection in constricted spaces, interfaces, solids, liquids, slurries and foam		0 ▣▣▣▣
Process connection (PPS)		
¾" NPT [(Taper), ANSI/ASME B1.20.1] (PPS probe body)	⬠	A
R 1" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203] (PPS probe body)	⬠	B
Approvals		
General Purpose: CSA, FM	⬠	D
Versions/Options		
Enclosure version, PPS process connection, ½" NPT cable inlet	⬠	1
Enclosure version, PPS process connection, M20 x 1.5	⬠	2
Overfill protection		
Not required	⬠	0
Required	⬠	1

Selection and Ordering data		Order code
Further designs		
Please add "**-Z**" to Article No. and specify Order code(s).		
Acrylic coated, stainless steel tag [13 x 45 mm (0.5 x 1.75 inch)]: Measuring-point number/identification (max. 20 characters) specify in plain text	⬠	Y17
FFKM seal O-ring[1]		A22
Inspection Certificate Type 3.1 per EN 10204		C12
Operating Instructions		Article No.
Quick start manual, multi-language		A5E32146158
Note: due to ATEX regulations one Quick start manual is included with every product. This device is shipped with the Siemens Milltronics manual DVD containing ATEX Quick Starts and Operating Instructions.		

Accessories	Article No.
Sensguard, ¾" NPT (PPS) Only available for CLS100 with ¾" NPT thread	7ML1830-1DL
Sensguard, R 1" (BSPT) (PPS) Only available for CLS100 with ¾" NPT thread	7ML1830-1DM
Tag, stainless steel, 12 x 45 mm, (0.47 x 1.77 inch) one text line, suitable for enclosures	7ML1930-1AC

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