

SITRANS L Level instruments

Point level measurement - Capacitance switches

Pointek CLS100

Selection and Ordering data	Order No.
Pointek CLS100, stainless steel process connection Compact 2-wire inverse frequency shift capacitance switch for level detection in constricted spaces, interfaces, solids, liquids, slurries and foam	7ML5501 - 0
Process connection ¾" NPT [(Taper), ANSI/ASME B1.20.1] R 1" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203] G 1" [(BSPP), EN ISO 228-1/PF (JIS-P), JIS B 0202]	A E J
Approvals General Purpose CSA/FM Class I, II and III, Div. 1, Groups A, B, C, D T4; ATEX II 1 GD 1/2GD EEx ia IIC T4 to T6 T107 °C CSA/FM Class II and III, Div. 1, Groups E, F, G	A C D
Device version Integral cable version (PPS probe) Enclosure version (PPS probe), ½" NPT cable inlet Integral version with PVDF probe body Enclosure version with PVDF probe body (½" NPT cable inlet) Enclosure version (PPS probe), M20x1.5 cable inlet (adapter) Enclosure version with PVDF probe body, M20x1.5 cable inlet (adapter)	1 3 5 6 7 8
WHG approval, German overfill protection Not required Required	0 1
Further designs Please add "-Z" to Order No. and specify Order code(s).	Order code
FFKM seal O-ring Inspection Certificate Type 3.1 per EN 10204	A22 C12
Instruction manual Quick start manual, multi-language Note: due to ATEX regulations one Quick start manual is included with every product. This device is shipped with the Siemens Milltronics manual CD containing ATEX Quick Starts and instruction manuals.	Order No. 7ML1998-5QJ81
Optional equipment Sensguard, ¾" NPT (PPS) Only available for CLS100 with ¾" NPT thread Sensguard, R 1" (BSPT) (PPS) Only available for CLS100 with ¾" NPT thread Tag, Stainless steel, 12 x 45 mm (0.47 x 1.77"), one text line, suitable for enclosure Siemens Intrinsically Safe Barrier (DC powered), ATEX II 1 G EEx ia ½" NPT cable gland, nickel plated brass, fits cable F) diameter 6 to 12 mm (0.24 to 0.47") -40 to +100 °C (-40 to +212 °F), IP68 (General Purpose) M20x1.5 cable gland, PA polyamide, ATEX II 2G F) 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)	7ML1830-1DL 7ML1830-1DM 7ML1930-1AC 7NG4122-1AA10 7ML1830-1JA 7ML1830-1JC

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

Selection and Ordering data	Order No.
Pointek CLS100, PPS process connection Compact 2-wire inverse frequency shift capacitance switch for level detection in constricted spaces, interfaces, solids, liquids, slurries and foam	7ML5610 - 0
Process connection (PPS) ¾" NPT [(Taper), ANSI/ASME B1.20.1] (PPS probe body) R 1" [(BSPT), EN 10226/PT (JIS-T), JIS B 0203] (PPS probe body)	A B
Approvals General Purpose ATEX II 1D 1/3D T107 °C	A C
Versions/Options Enclosure version, PPS process connection, ½" NPT cable inlet Enclosure version, PPS process connection, M20x1.5 adapter	1 2
WHG approval, German overfill protection Not required Required	0 1
Instruction manual Quick start manual, multi-language Note: due to ATEX regulations one Quick start manual is included with every product This device is shipped with the Siemens Milltronics manual CD containing ATEX Quick Starts and instruction manuals.	7ML1998-5QJ81
Accessories Sensguard, ¾" NPT (PPS) Only available for CLS100 with ¾" NPT thread Sensguard, R 1" (BSPT) (PPS) Only available for CLS100 with ¾" NPT thread Tag, stainless steel, 12 x 45 mm (0.47 x 1.77"), one text line, suitable for enclosures	7ML1830-1DL 7ML1830-1DM 7ML1930-1AC