

# CAPACITIVE LEVEL SWITCH

## CPLS1000

**Proof Housing: IP65**  
**Explosion Proof: EExd IIC-T6**  
**No Moving Parts**  
**Easy Installation**

The New-Flow CPLS1000 is used for measuring process vessel at the specific one point for using level alarms or for interlocking level control system.

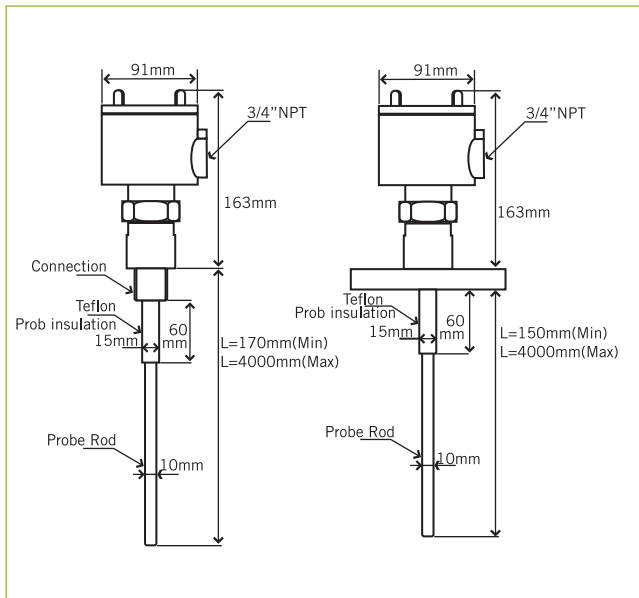
The New-Flow CPLS1000 has the ability to detect and measure both conductive and non-conductive media. CPLS1000 can be used in many industries for a wide range of applications such as water, oils, and a variety of corrosive materials.

### Technical Data

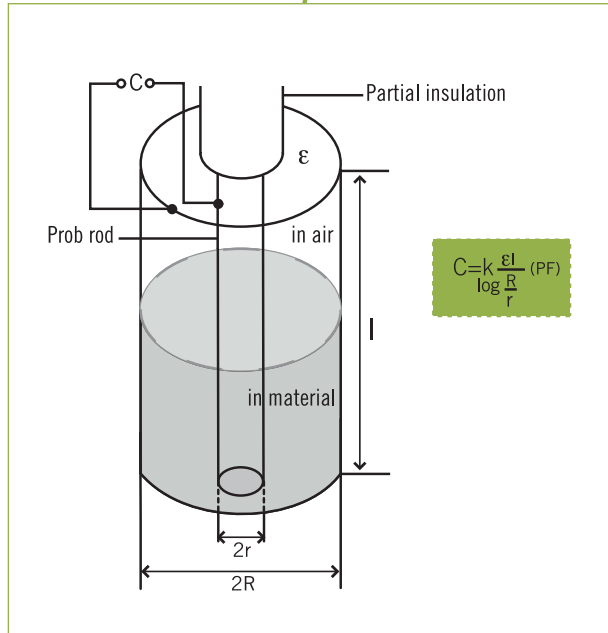
**Housing:** Aluminum Alloy, IP65, Explosion proof  
**Probe Insulation Material:** PTFE  
**Rode Probe:** SS316, Hastelloy C276, Ni-200, PFA lining  
**Working Temperature Limit:** -20°C ~ +120°C  
**Working Pressure Limit:** 20 Kg/cm<sup>2</sup>  
**Process Connection:** 1" NPT of thread, or Flange  
**Flange Connection:** 1" ~ 3", or consult to manufacturer  
**Operating Sensibility:** 4 pf (adjustable)  
**Power Supply:** 110VAC, 220VAC, 24VDC  
**Contact Form:** SPDT  
**Contact Rating:** NO/NC 10A/5A 120VAC  
 NO/NC 7A/5A 240VAC



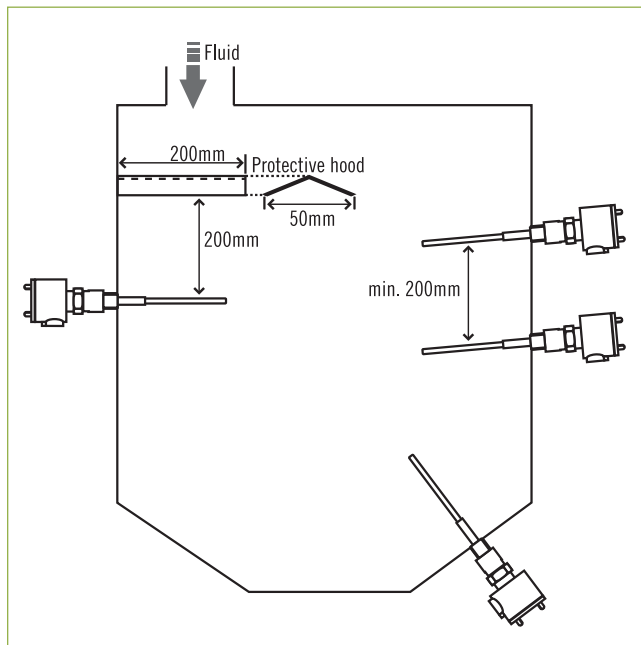
### Dimensions



### Measurement Principle



### Installation Instruction



## Ordering Information

<b>CPLS1000</b>	<b>Code</b>	<b>Style</b>
	S	Standard (Max. Temp. 120°C)
	H	With FIN (Max. Temp. 150°C)
	<b>Code</b>	<b>Connection Size</b>
		(1) 1" (2) 1½" (3) 2" (4) 3" (5) option
	<b>Code</b>	<b>Connect Rating</b>
	Thread	(A) NPT (B) BSP
	Flange	(C) JIS 10K (D) JIS 20K (E) ANSI 150# (F) ANSI 300# (G) PN16 (H) PN25 (O) Option
	<b>Code</b>	<b>Connection material</b>
	A	SS316, standard
	B	Hastelloy C276
	C	Ni-200
	D	other
	<b>Code</b>	<b>Conduit Size</b>
	1	¾" NPT
	<b>Code</b>	<b>PFA lining</b>
	Y	With PFA lining
	N	Without PFA lining
	<b>Code</b>	<b>Insertion length</b>
		Please fill out the requested length in the ordering code.
	<b>Code</b>	<b>Power supply</b>
	A	110VAC
	B	220VAC
	C	24VDC

<b>CPLS1000</b>										<b>Complete Ordering Code</b>
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