

ELECTRODE TYPE LEVEL SWITCH

HE Series



ISO 9001



ISO 14001

ASME



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HITROL CO., LTD.

개요 | Overview

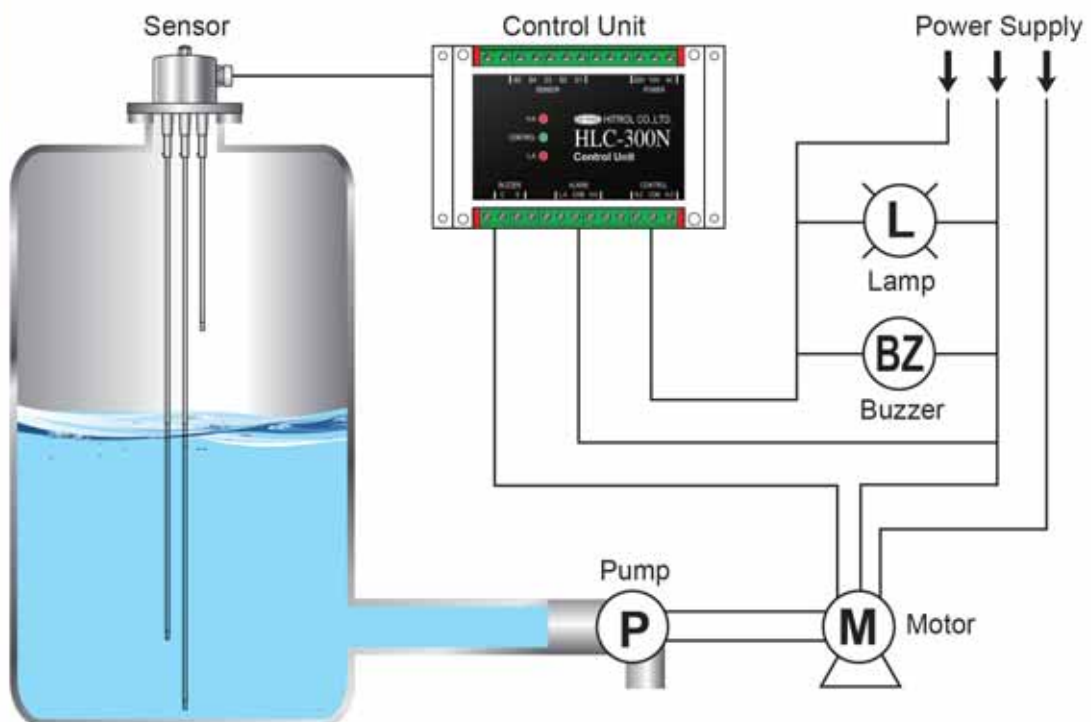
HE-Series는 Electrode Type Level Switch로 Tank내 설정한 높이에 전극봉을 설치하여 측정물이 접촉하면 전기적 신호를 검출하여 측정물의 높이를 확인한다.

특징 | Characteristics

- 전도성이 있는 다양한 액체에 사용 할 수 있다.
- 가격이 저렴하다.
- 측정 신뢰성이 높다.
- 구조가 간단하고 설치하기 쉽다.
- 가동부가 없어 반영구적 사용이 가능하다.

동작원리 및 제품구성 | Operation Principle and Composition

Tank내 설치 된 각각의 전극봉에 미세한 전류를 공급하고 전도성을 가진 측정물이 전극봉에 도달하였을 때 전류가 흐르게 된다. Control Unit에서 이 전류신호를 검출하여 점점 신호를 출력한다.



제품 사양 | Specification

Model	HE-□S	HE-□V	HE-1S
Installation	Top Mounting		
Electrode Material	SUS 316 + PP		SUS 316 + Teflon
Enclosure	Weather Proof (IP54)		Weather Proof (IP65)
Process Pressure	ATM		10kg/cm ² (std.) (Max. 20kg/cm ²)
Process Temperature	60°C		80°C (std.) (Max. 150°C)
Connection Material	Bakelite	PVC (std.)	SUS 316 (std.)
Process Connection	Screw PF 2" (std.)	100A JIS 10K (std.)	Screw PT 1" (std.)
Head Material	Bakelite	SUS 304	Aluminum
Cable Entry	Ø7mm	PF 3/4" (std.)	

Model	HE-□H	HE-□H-S	HE-□H-SP
Installation	Top Mounting		
Electrode Material	SUS 316L + Teflon	SUS 316L + Teflon + Ceramic	
Enclosure	Weather Proof (IP65)		
Process Pressure	Max. 10kg/cm ²	10kg/cm ² (std.) (Max. 20kg/cm ²)	
Process Temperature	80°C (std.) (Max. 150°C)	250°C (std.) (Max. 350°C)	250°C (std.) (Max. 500°C)
Connection Material	SUS 304 (std.)		
Process Connection	Screw PT 2 " (std.)	100A JIS 10K RF (std.)	
Head Material	Aluminum		
Cable Entry	PF 3/4" (std.)		

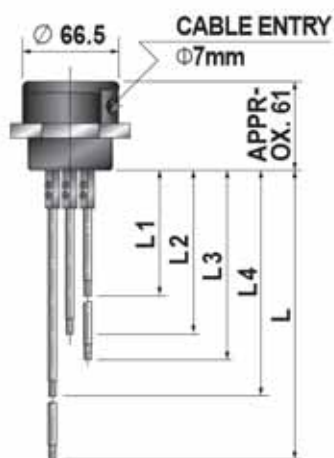
Combination Unit

Model	HLC-200A	HLC-300N	HLC-400
Installation	Panel Inside Mounting		
Power Source	AC 110 or 220V 50/60Hz	AC 110/220V 50/60Hz	AC 110/220V 50/60Hz
Contact Form	1-SPDT	1-SPDT / 2-DPST	4-SPDT
Function	Control or Alarm	Control + 2-Alarms	4-Alarms
Contact Rating	AC 250V 5A, DC 30V 1A	AC 250V 5A, DC 30V 5A	AC 250V 10A, DC 30V 10A
Appearance			

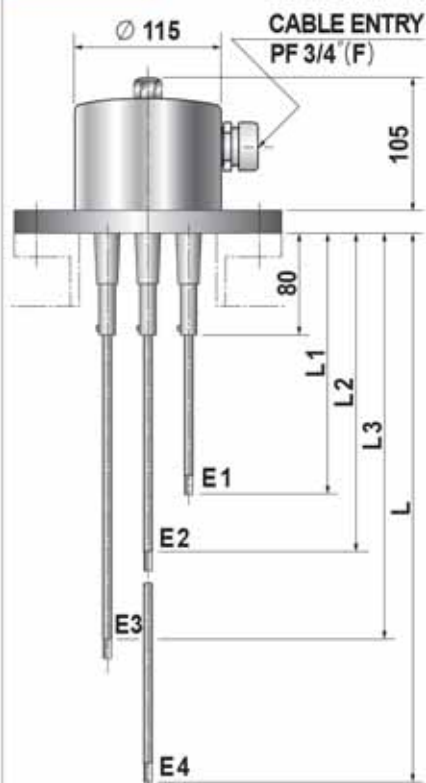
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외형도 | Dimension

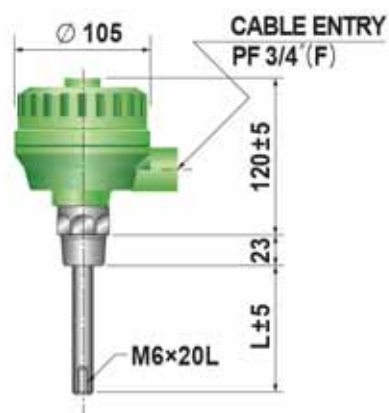
HE-□S



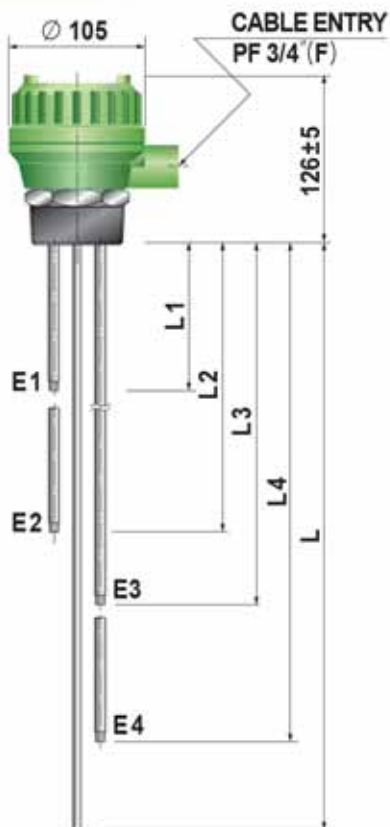
HE-□V



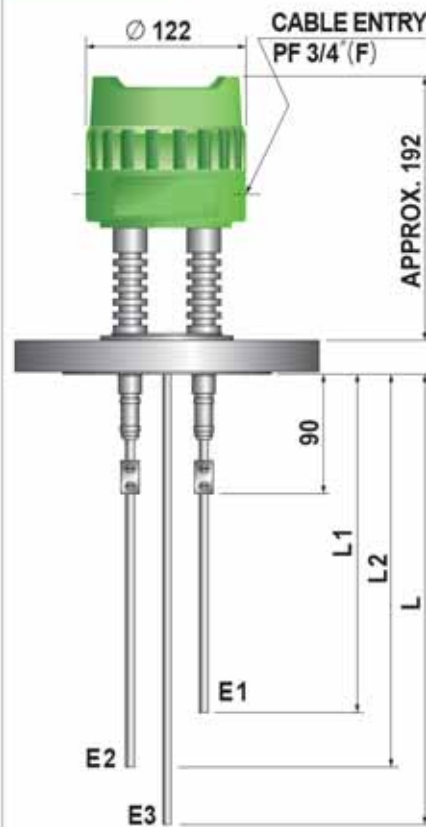
HE-1S



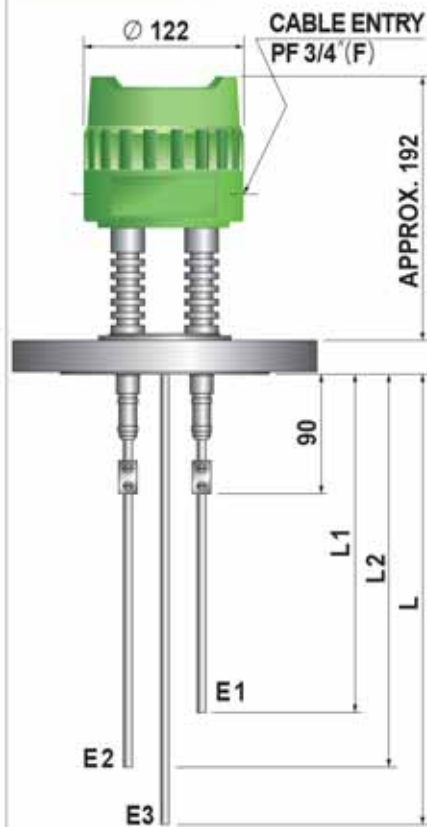
HE-□H



HE-□H-S



HE-□H-SP

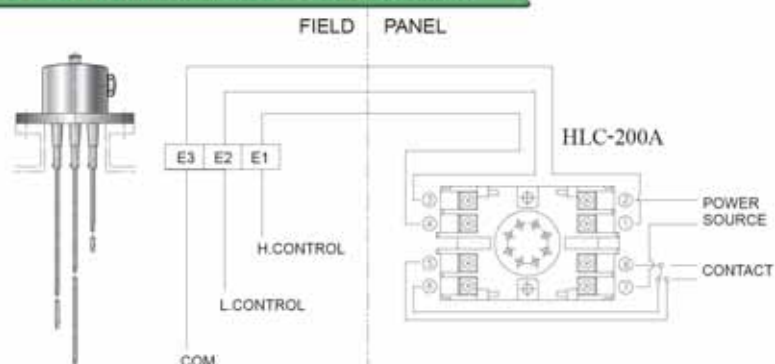


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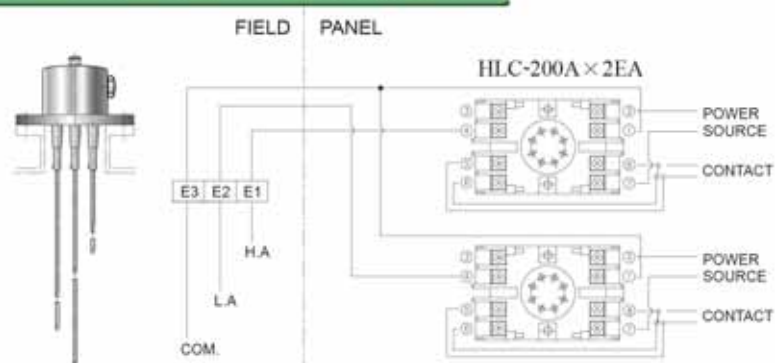
Connection Diagram



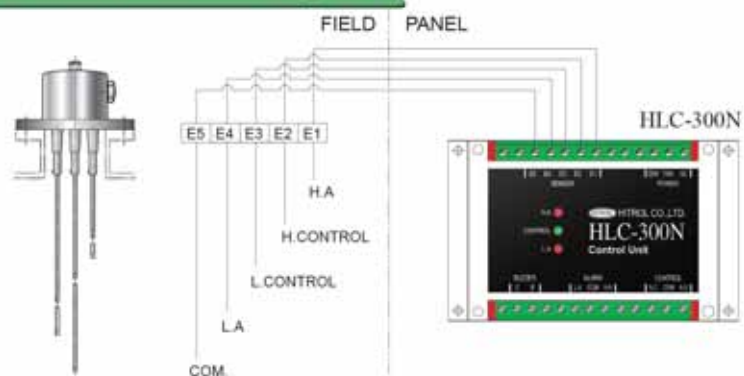
HLC-200A Connection Diagram (Control)



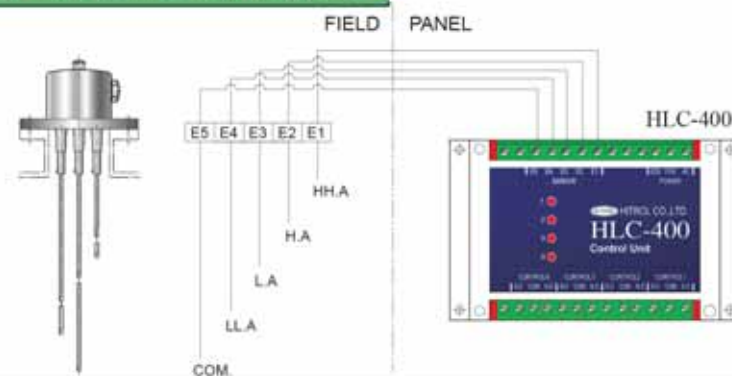
HLC-200A Connection Diagram (Alarm)



HLC-300N Connection Diagram



HLC-400 Connection Diagram



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HE Series

1 가격이 저렴, 신뢰성이 높음

2 구조 및 설치가 간단

3 가동부가 없어 긴 수명

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