

ELECTRODE TYPE LEVEL SWITCH

HE Series



ASME



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개요 | Overview

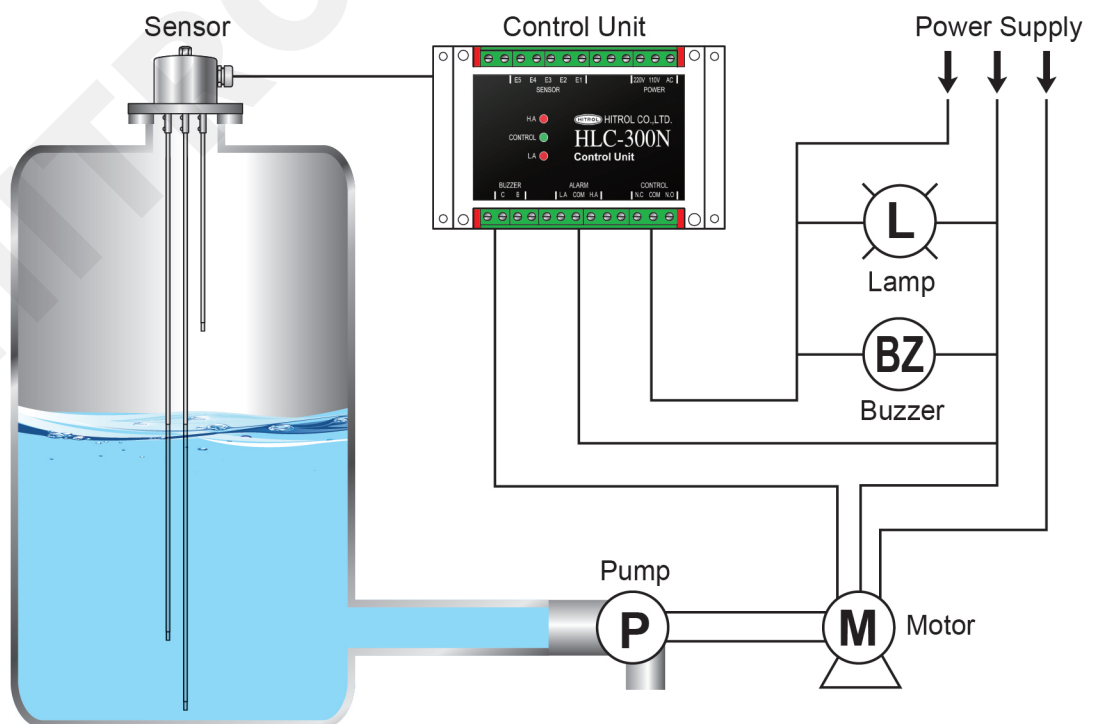
HE-Series는 Electrode Type Level Switch로 수처리 시설을 비롯한 산업현장에서 각종 액면을 제어 시 사용 되며, Tank내 설정한 높이에 전극봉을 설치하여 측정물이 접촉하면 전기적 신호를 검출하여 측정물의 높이를 확인한다.

특징 | Characteristics

- 전도성이 있는 다양한 액체에 사용 가능
- 저렴한 가격
- 높은 측정 신뢰성
- 간단한 구조로 현장 설치 편의성
- 가동부가 없어 고장율 최저

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 316L + PP		SUS 316L + 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 316L (std.)
Process Connection	Screw PF 2" (std.)	100A JIS 10K (std.)	Screw PT 1" (std.)
Head Material	Bakelite	SUS 304	ALC
Cable Entry	Ø7mm	20A Cable Connector	PF 3/4" (std.)

Model	HE-□H	HE-□H-S	HE-□H-SP
Installation	Top Mounting		
Electrode Material	SUS 316L + Teflon	SUS 316L + 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. 450°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.)		

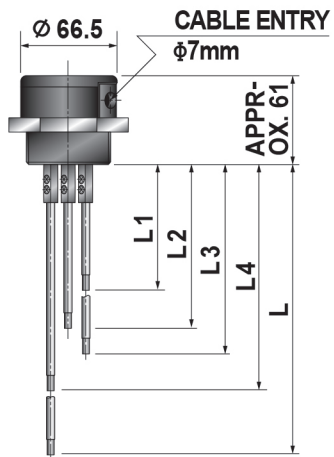
Combination Unit

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			

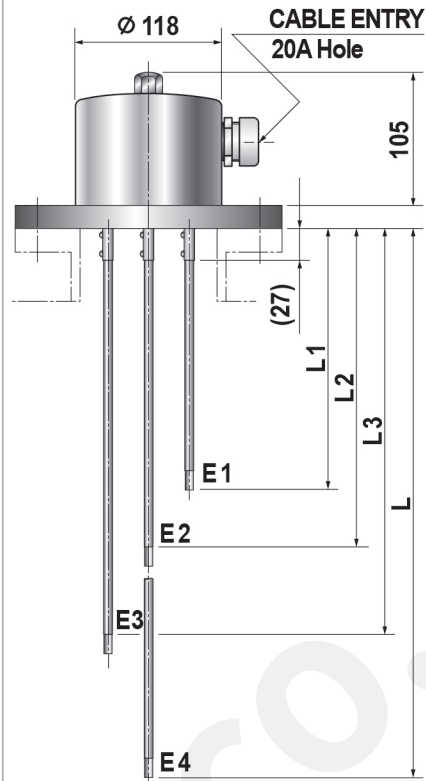
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외형도 | Dimension

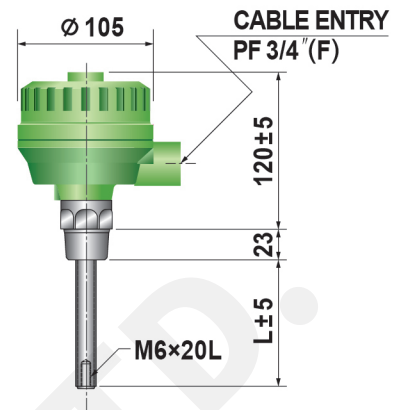
HE-□S



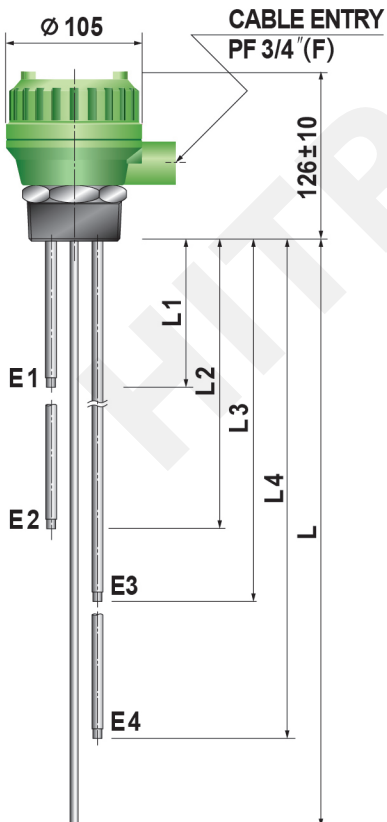
HE-□V



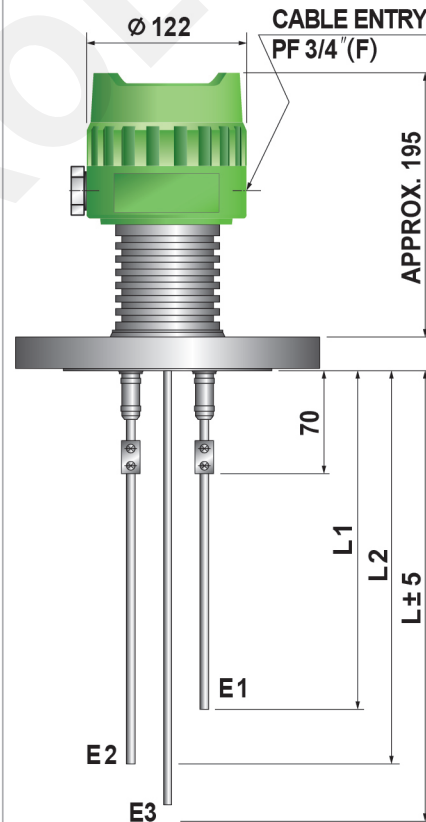
HE-1S



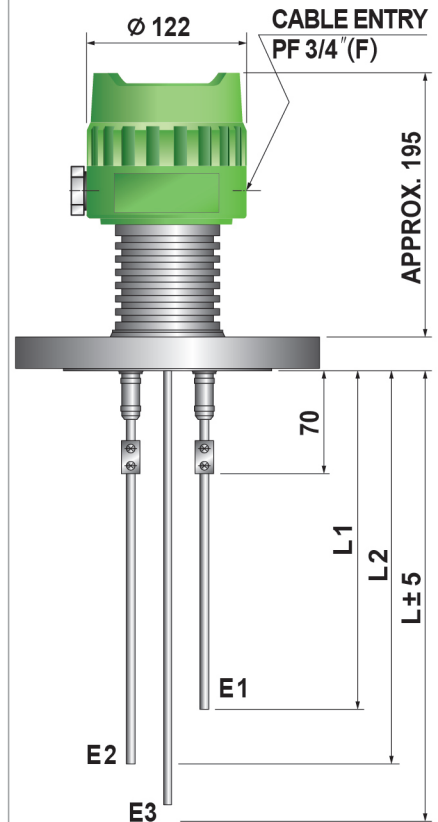
HE-□H



HE-□H-S



HE-□H-SP

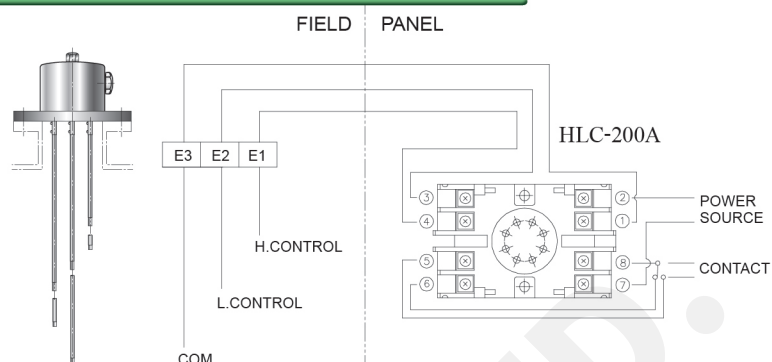


◆ 실제제품과는 약간의 공차가 발생할 수 있습니다.

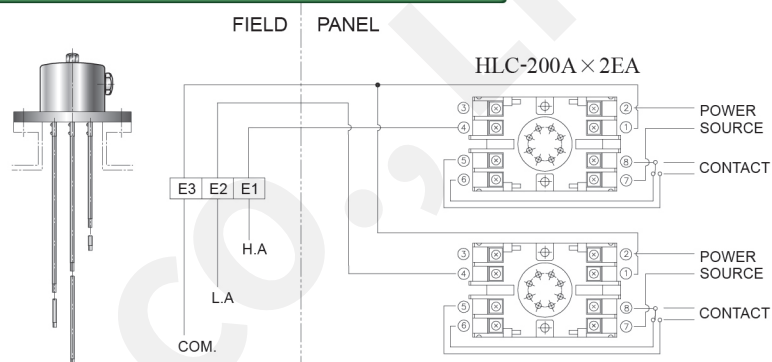
Connection Diagram



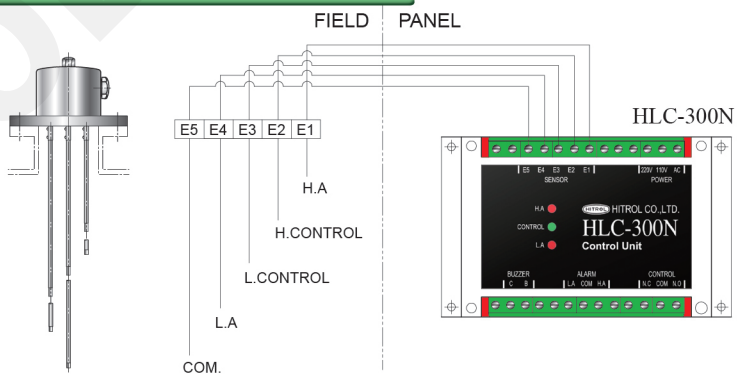
HLC-200A Connection Diagram (Control)



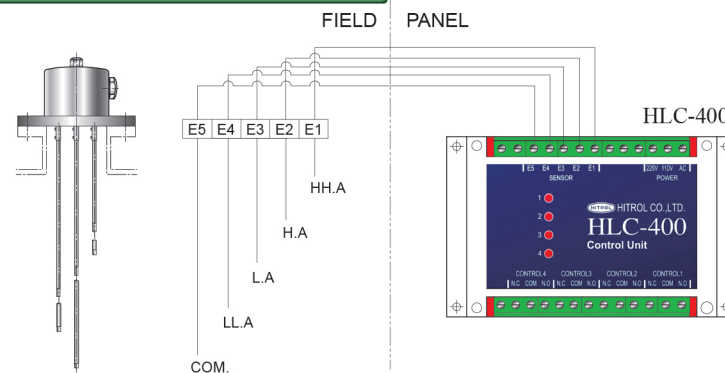
HLC-200A Connection Diagram (Alarm)



HLC-300N Connection Diagram



HLC-400 Connection Diagram



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01

저렴한 가격 대비 높은 측정 신뢰성

02

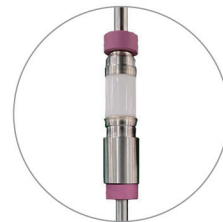
구조 및 설치가 간단

03

고온, 고압 가능으로 다양한 환경 적용 가능

04

다양한 레벨 접점 적용 가능 (1 Point ~ 6 Point)



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