ISO-9001:2015 certified

SCL Series Capacitance Point Level Sensor

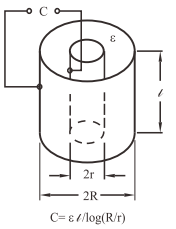
More than just another level measurement company ....

Aplus Finetek Sensor, Inc.

PRODUCT INTRODUCTION

OPERATING PRINCIPLE

The SCL series is used for high, low and intermediate level monitoring. The SCL product line consists of two complimentary models, the SCL17 and the SCL18. Both the SCL17 and SCL18 are capacitance point level sensors designed to operate by generating an electrostatic field between the wall of the tank (GND) and the active sensing portion of the probe through the target material, and detecting the change in capacitance within this field caused by the presence or absence of the target material.



As the target material approaches the active sensing portion of the SCL17 or SCL18 probe, the capacitance in the field increases. When the capacitance reaches a predetermined threshold the output circuit of the sensor is triggered and changes state. This predetermined threshold is set by the calibration adjustment/setting of the SCL17 or SCL18 during installation and initial setup. The primary difference between the SCL17 and SCL18 is in the method of setting the calibration.

SCL18	SCL17
Provides the highest degree of performance and reliability over the widest range of applications	Provides high performance and reliability with a lower price point
Calibrated at factory. Recalibration by pushbutton in empty vessel condition if required	Calibrated at factory. DIP switch setting and potentiometer adjustment for recalibration if required
Time delay adjustable for BOTH material presence and material absence detection conditions; 0~30s	Time delay adjustable for material presence detection condition only; 0~6s
Very wide assortment of probe styles, material and process connections	Very wide assortment of probe styles, material and process connections
For use with non-sticking liquids, and dry freely flowing solids	For use with non-sticking liquids, and dry freely flowing solids
cULus Approval for Ordinary Locations	

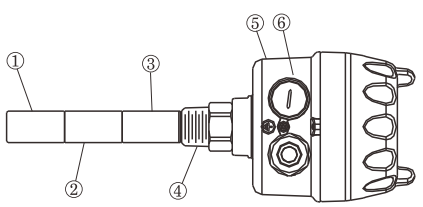
FEATURES

- Universal power supply 20-250VAC/VDC
- Pushbutton recalibration using microcontroller technology (SCL18 only)
- Fully adjustable time delay, uncovered-to-covered as well as covered-to-uncovered (SCL18 only)
- Local LED indication available
- Optional cover chain eases installation
- Ideal cost effective sensor for non-stick liquids and dry freely flowing solids, including corrosive materials
- Remote test function
- Up to 392^{0}F (200^{0}C) operating temperature available
- Standard, coated, cable, low-profile and high temperature probe versions

INDUSTRY USE

- Concrete Production
- Cement
- Asphalt
- Agriculture
- Feed & Grain Processing
- Plastic Processing
- Food
- Pharmaceutical
- Chemical
- Ceramic
- Water/Wastewater
- Steel

STRUCTURE FOR THE STANDARD PROBE (TYPE A)



1. Active probe section: Made of 304SS, 316SS or 316LSS
2. Main insulation section: Low dielectric material, made of PTFE or UPE, used to insulate the active probe section from the grounding section
3. Grounding section: 304SS, 316SS or 316LSS
4. Process connection: 1” NPT; 304SS, 316SS or 316LSS
5. Housing: die-cast aluminum, powder coated
6. Conduit Entrance:3/4" NPT

APPLICATIONS

For Material Presence Detection

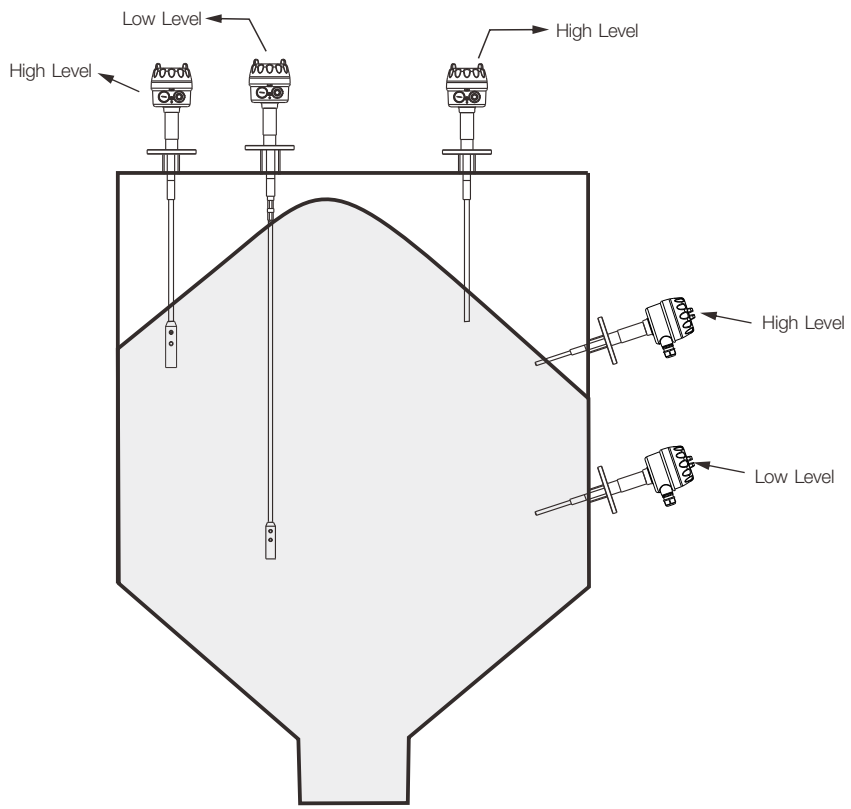
- Trigger an alarm or illuminate an indicating light
- Close a valve to shut off vessel filling of material
- Open a valve to discharge material from a temporary storage vessel

For Material Absence Detection

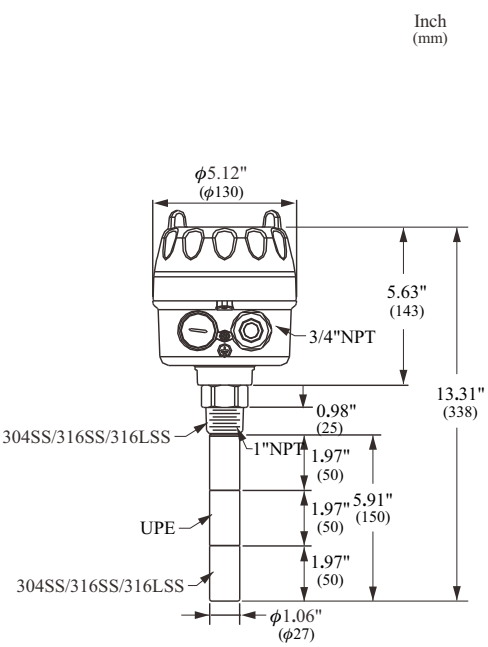
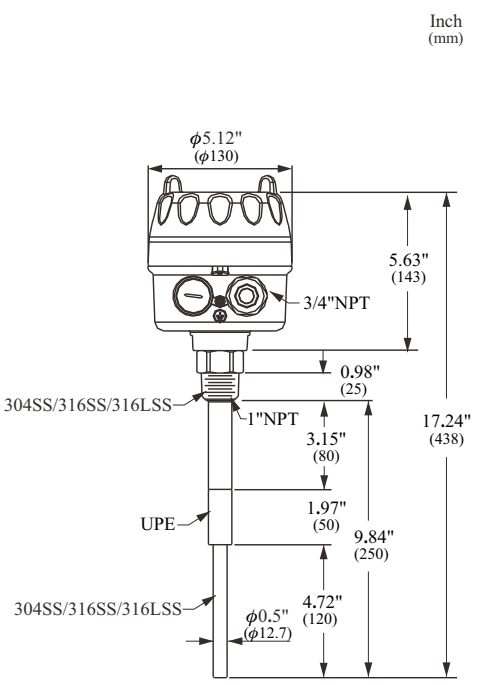
- Trigger an alarm or illuminate an indicating light
- Close a valve to stop the discharge of material
- Open a valve to begin filling vessel with material

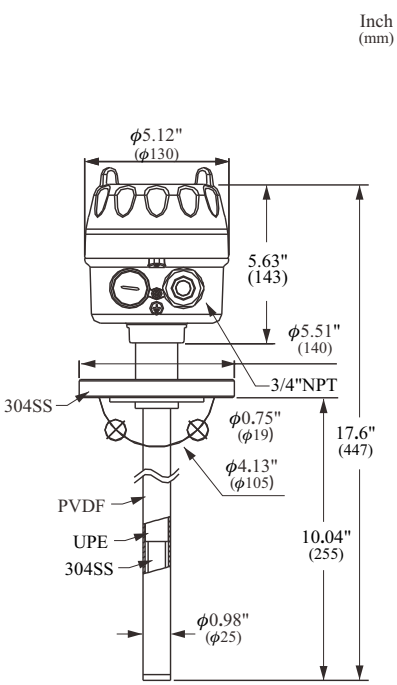
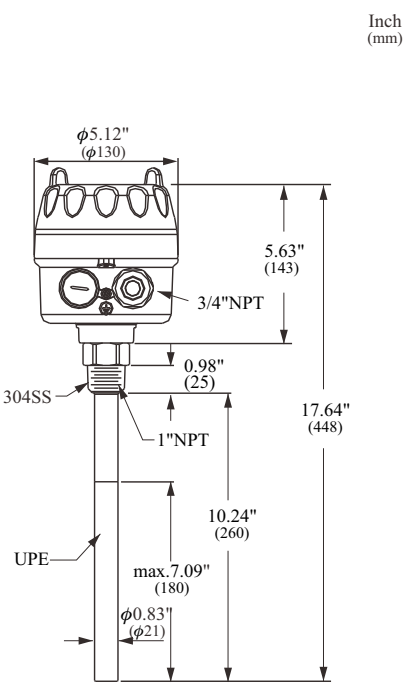
Material and Approximate Dielectric Constant for Reference

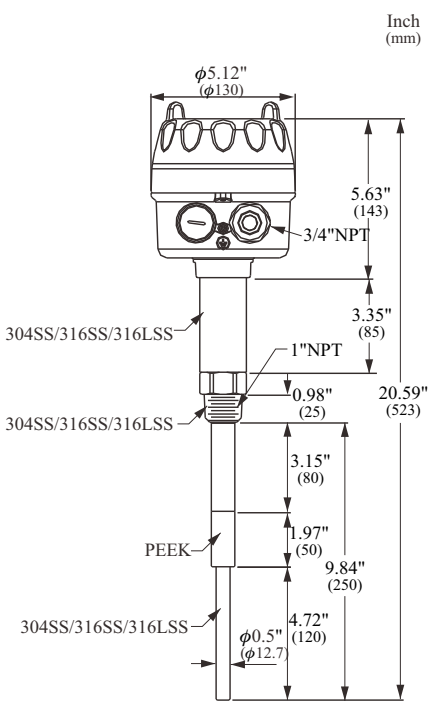
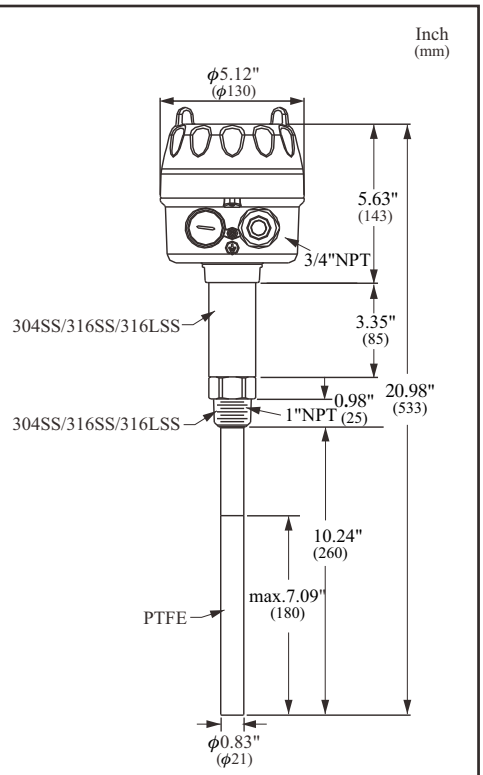
LIQUID	APPROX. DIELECTRIC CONSTANT	POWDER BULK SOLID	APPROX. DIELECTRIC CONSTANT
Water	81	Flour	2.4
Vitriol	37	Styrofoam	2
Methanol	30	Whole Corn	1.8
Butanol	11	Milk Powder	1.8
Ethanol	2.5	Talc	1.8
Cooking Oil	2~4	Rice bran	1.7
Diesel Oil	2.1	Plastic Pellet	1.5~1.8

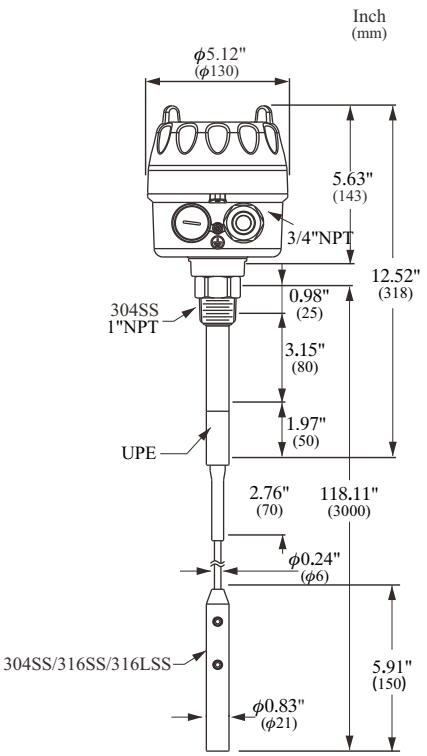
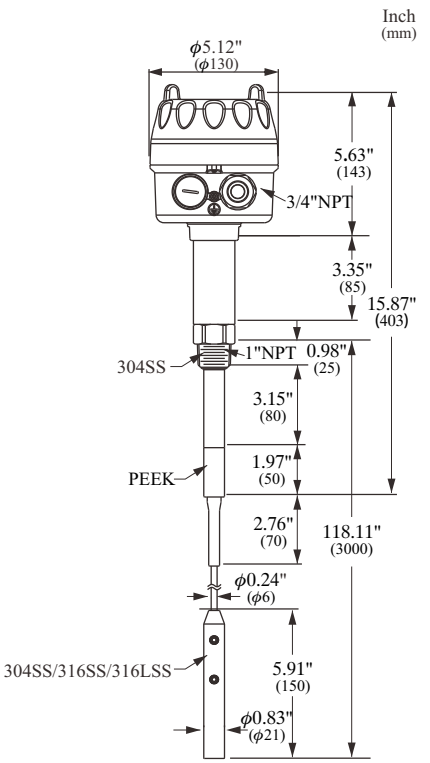


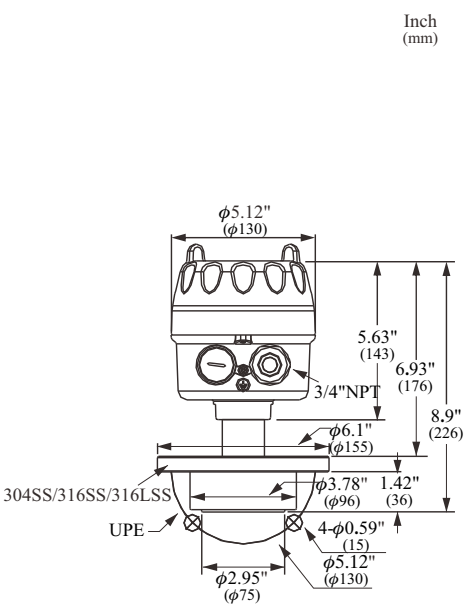
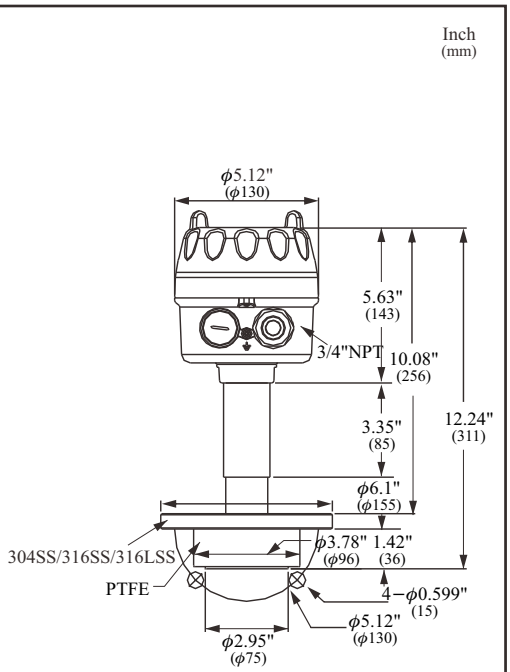
TYPES & SPECIFICATIONS – SCL17

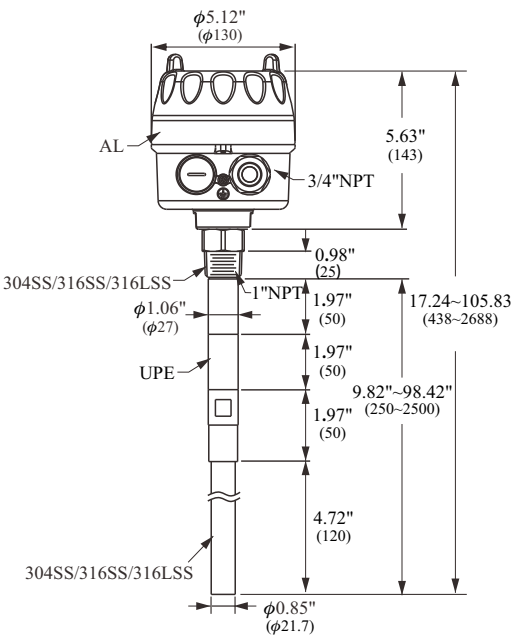
Dimensions		
Type	Type A: Standard	Type B: Standard
Model no.	SCL1700	SCL1700
Recalibration method	DIP switch setting and potentiometer adjustment	
Ambient temp.	-40^{0}F~176^{0}F (-40^{0}C~80^{0}C)	
Operating temp.	-40^{0}F~176^{0}F (-40^{0}C~80^{0}C)	
Pressure	290psi (20bar)	
Probe material	304SS/316SS/316LSS	
Insulator material	UPE (UHMW Polyethylene)	
Housing material	Diecast Aluminum (powder coated)	
Housing protection	NEMA Types 4, 4X; IP65	
Supply voltage	20~250Vac/Vdc, 50/60Hz	
Output rating	ONE Relay Output: 5A @ 240Vac, 5A @ 28Vdc (Option: Two Relay Output) ONE NPN/PNP Output: 400mA @ 60Vac/Vdc (Option: Two NPN/PNP Output)	
Remote test	Jumper RT1/RT2 for Test	
Normal indicator	Green LED	
Alarm indicator	Red LED	
Fail safe mode	FSH / FSL	
Delay time adjustment	Covered-To-Uncovered Only; 0~6 sec	
Power consumption	Max. 15VA	

Dimensions		
Type	Type C: Anti-Corrosive	Type D: Anti-Static
Model no.	SCL1700	SCL1700
Recalibration method	DIP switch setting and potentiometer adjustment	
Ambient temp.	-40^{0}F~176^{0}F (-40^{0}C~80^{0}C)	
Operating temp.	-40^{0}F~248^{0}F (-40^{0}C~120^{0}C)	-40^{0}F~176^{0}F (-40^{0}C~80^{0}C)
Pressure	290psi (20bar)	
Probe material	PVDF coated 304SS (not in contact with target material)	UPE (UHMW Polyethylene) coated SS (304/316/316L)
Insulator material	UPE (UHMW Polyethylene)	UPE (UHMW Polyethylene)
Housing material	Diecast Aluminum (powder coated)	
Housing protection	NEMA Types 4, 4X; IP65	
Supply voltage	20~250Vac/Vdc, 50/60Hz	
Output rating	ONE Relay Output: 5A @ 240Vac, 5A @ 28Vdc (Option: Two Relay Output) ONE NPN/PNP Output: 400mA @ 60Vac/Vdc (Option: Two NPN/PNP Output)	
Remote test	Jumper RT1/RT2 for Test	
Normal indicator	Green LED	
Alarm indicator	Red LED	
Fail safe mode	FSH / FSL	
Delay time adjustment	Covered-To-Uncovered Only; 0~6 sec	
Power consumption	Max. 15VA	

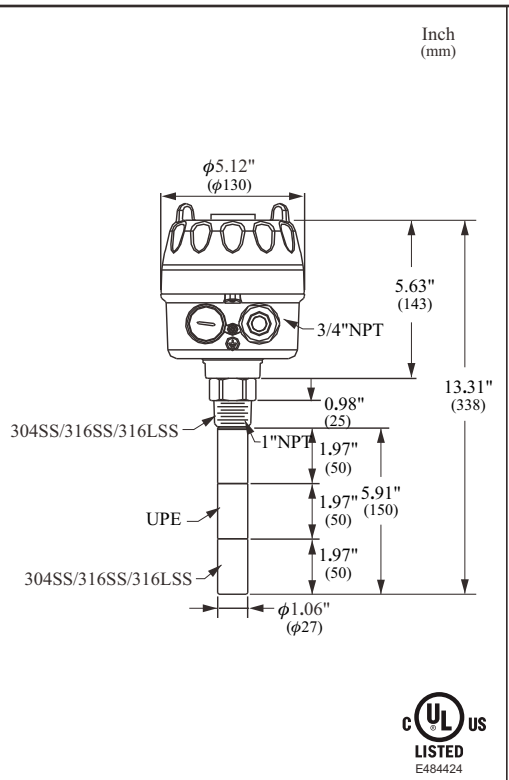
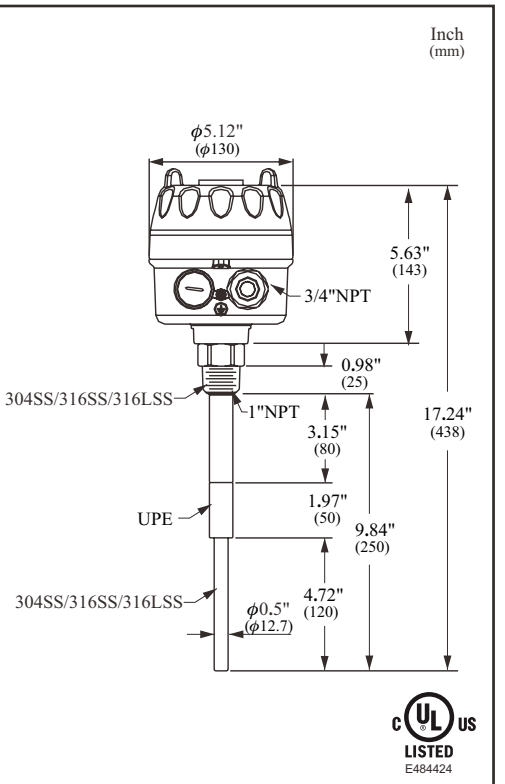
Dimensions		
Type	Type E: High Temp.	Type F: Anti-Static High Temp
Model no.	SCL1700	SCL1700
Recalibration method	DIP switch setting and potentiometer adjustment	
Ambient temp.	-40^{0}F~176^{0}F (-40^{0}C~80^{0}C)	
Operating temp.	-40^{0}F~392^{0}F (-40^{0}C~200^{0}C)	
Pressure	290psi (20bar)	
Probe material	304SS/316SS/316LSS	PTFE coated SS (304/316/316L)
Insulator material	PEEK	PTFE
Housing material	Diecast Aluminum (powder coated)	
Housing protection	NEMA Types 4, 4X; IP65	
Supply voltage	20~250Vac/Vdc, 50/60Hz	
Output rating	ONE Relay Output: 5A @ 240Vac, 5A @ 28Vdc (Option: Two Relay Output) ONE NPN/PNP Output: 400mA @ 60Vac/Vdc (Option: Two NPN/PNP Output)	
Remote test	Jumper RT1/RT2 for Test	
Normal indicator	Green LED	
Alarm indicator	Red LED	
Fail safe mode	FSH / FSL	
Delay time adjustment	Covered-To-Uncovered Only; 0~6 sec	
Power consumption	Max. 15VA	

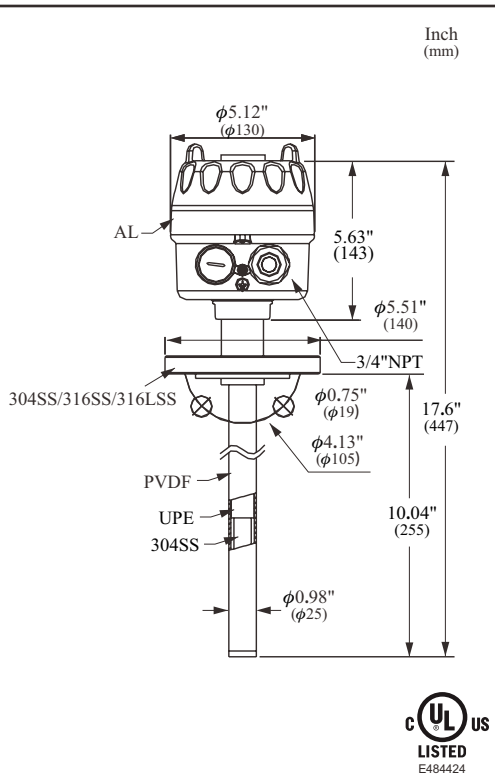
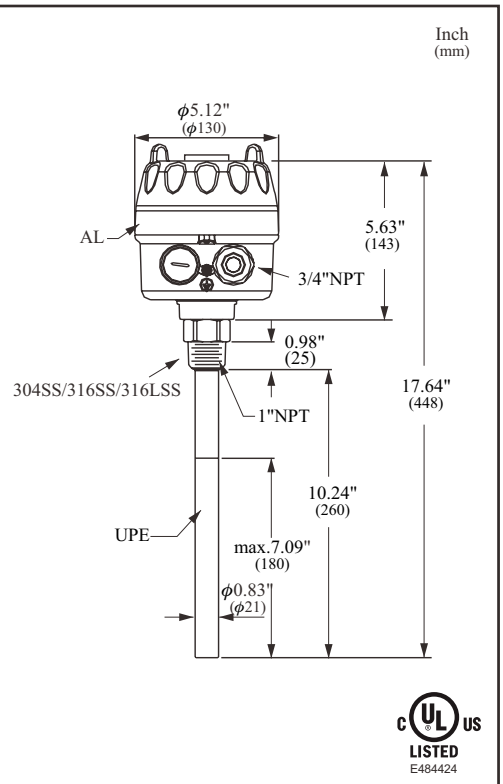
Dimensions		
Type	Type G: Cable Extended	Type H: Cable Extended High Temp.
Model no.	SCL1701	SCL1701
Recalibration method	DIP switch setting and potentiometer adjustment	
Ambient temp.	-40^{0}F~176^{0}F (-40^{0}C~80^{0}C)	
Operating temp.	-40^{0}F~176^{0}F (-40^{0}C~80^{0}C)	-40^{0}F~392^{0}F (-40^{0}C~200^{0}C)
Pressure	290psi (20bar)	
Probe material	304SS	
Insulator material	UPE (UHMW Polyethylene)	PEEK
Housing material	Diecast Aluminum (powder coated)	
Housing protection	NEMA Types 4, 4X; IP65	
Supply voltage	20~250Vac/Vdc, 50/60Hz	
Output rating	ONE Relay Output: 5A @ 240Vac, 5A @ 28Vdc (Option: Two Relay Output) ONE NPN/PNP Output: 400mA @ 60Vac/Vdc (Option: Two NPN/PNP Output)	
Remote test	Jumper RT1/RT2 for Test	
Normal indicator	Green LED	
Alarm indicator	Red LED	
Fail safe mode	FSH / FSL	
Delay time adjustment	Covered-To-Uncovered Only; 0~6 sec	
Power consumption	Max. 15VA	

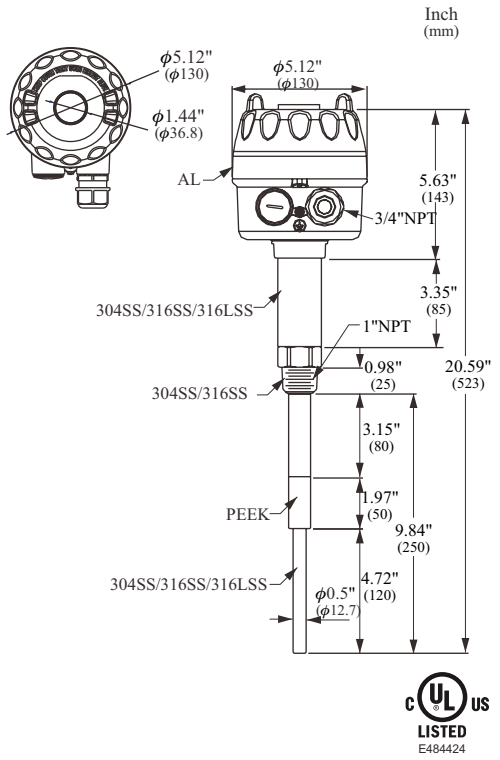
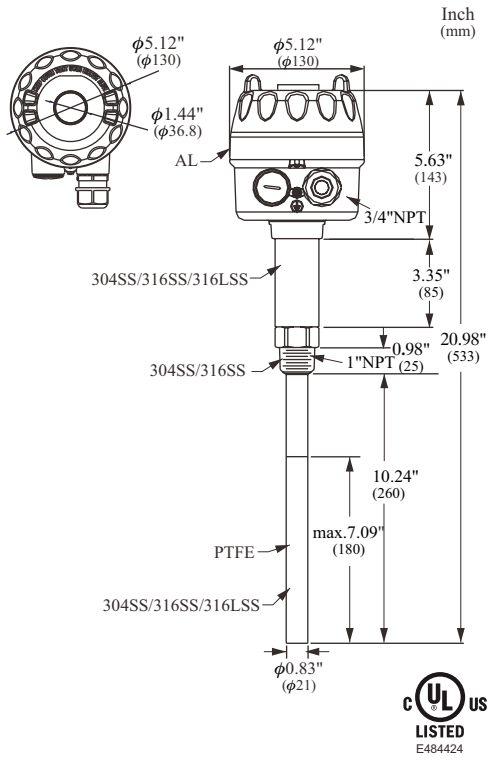
Dimensions		
Type	Type J: Low Profile	Type K: Low Profile High Temp
Model no.	SCL1702	SCL1702
Recalibration method	DIP switch setting and potentiometer adjustment	
Ambient temp.	-40^{0}F~176^{0}F (-40^{0}C~80^{0}C)	
Operating temp.	-40^{0}F~176^{0}F (-40^{0}C~80^{0}C)	-40^{0}F~392^{0}F (-40^{0}C~200^{0}C)
Pressure	290psi (20bar)	
Probe material	304SS/316SS/316LSS	304SS/316SS/316LSS
Insulator material	UPE (UHMW Polyethylene)	PTFE
Housing material	Diecast Aluminum (powder coated)	
Housing protection	NEMA Types 4, 4X; IP65	
Supply voltage	20~250Vac/Vdc, 50/60Hz	
Output rating	ONE Relay Output: 5A @ 240Vac, 5A @ 28Vdc (Option: Two Relay Output) ONE NPN/PNP Output: 400mA @ 60Vac/Vdc (Option: Two NPN/PNP Output)	
Remote test	Jumper RT1/RT2 for Test	
Normal indicator	Green LED	
Alarm indicator	Red LED	
Fail safe mode	FSH / FSL	
Delay time adjustment	Covered-To-Uncovered Only; 0~6 sec	
Power consumption	Max. 15VA	

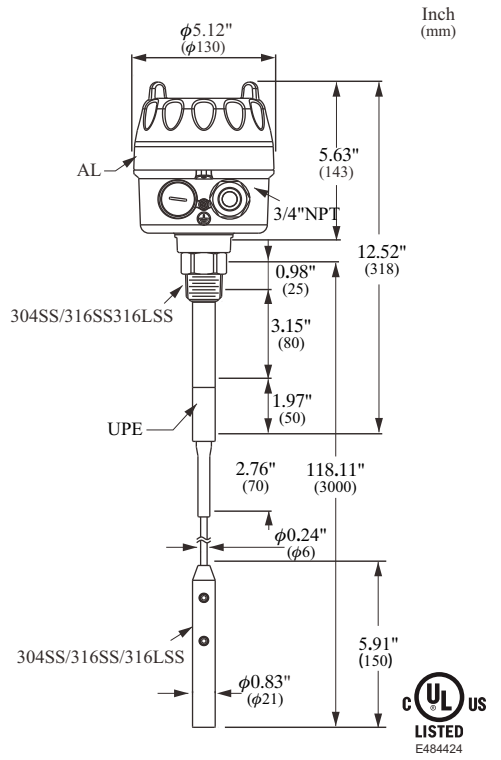
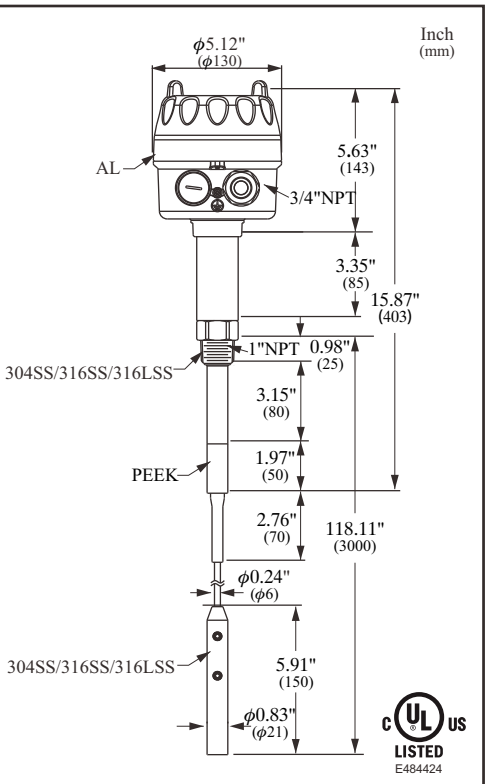
Dimensions	Inch (mm) 
Type	Type L: Solid Extended
Model no.	SCL1700
Recalibration method	DIP switch setting and potentiometer adjustment
Ambient temp.	-40^{0}F~176^{0}F (-40^{0}C~80^{0}C)
Operating temp.	-40^{0}F~176^{0}F (-40^{0}C~80^{0}C)
Pressure	290psi (20bar)
Probe material	304SS/316SS/316LSS
Insulator material	UPE (UHMW Polyethylene)
Housing material	Diecast Aluminum (powder coated)
Housing protection	NEMA Types 4, 4X; IP65
Supply voltage	20~250Vac/Vdc, 50/60Hz
Output rating	ONE Relay Output: 5A @ 240Vac, 5A @ 28Vdc (Option: Two Relay Output) ONE NPN/PNP Output: 400mA @ 60Vac/Vdc (Option: Two NPN/PNP Output)
Remote test	Jumper RT1/RT2 for Test
Normal indicator	Green LED
Alarm indicator	Red LED
Fail safe mode	FSH / FSL
Delay time adjustment	Covered-To-Uncovered Only; 0~6 sec
Power consumption	Max. 15VA

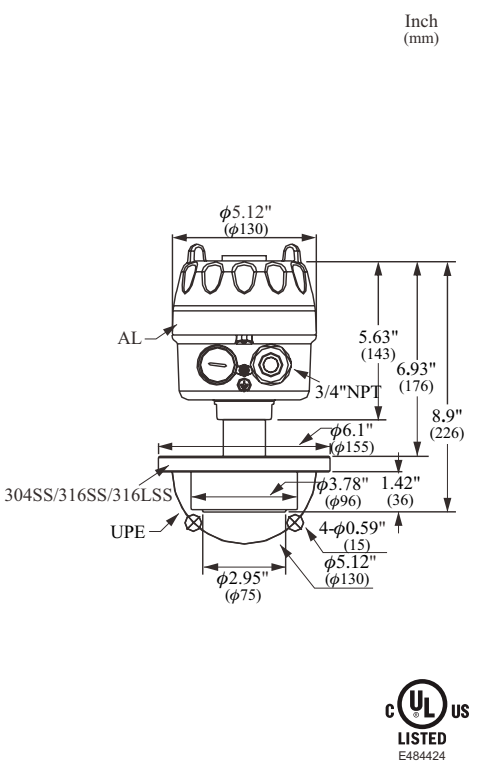
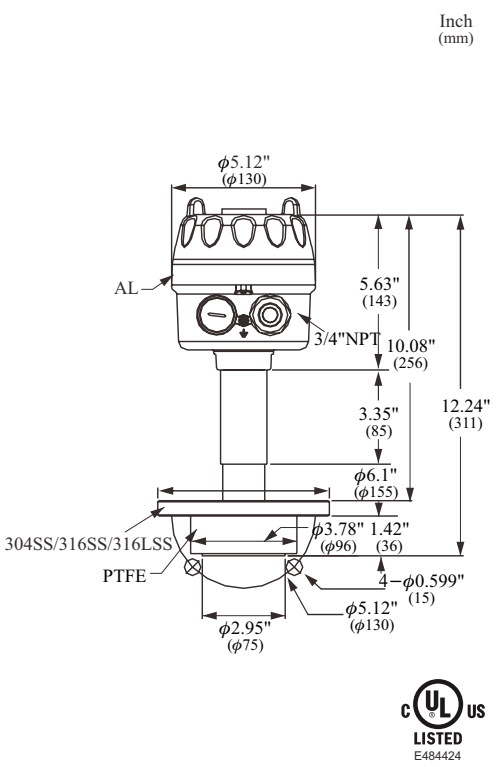
TYPES & SPECIFICATIONS – SCL18

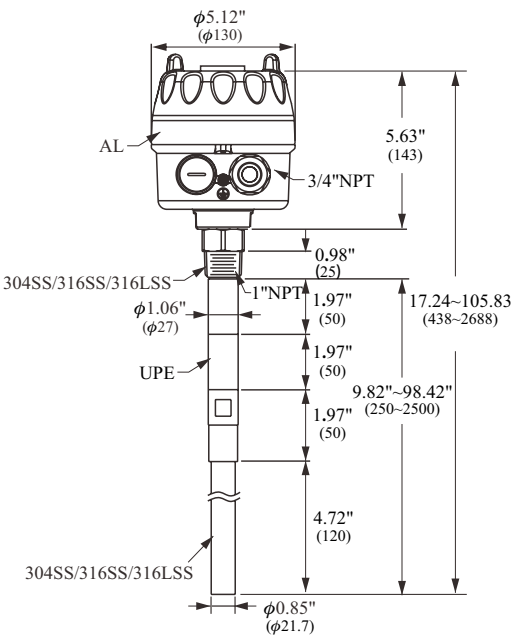
Dimensions		
Type	Type A: Standard	Type B: Standard
Model no.	SCL1810	SCL1810
Recalibration method	Pushbutton	
Ambient temp.	-40°F~140°F (-40°C~60°C);UL file number E484424 -40°F~176°F(-40°C~80°C)	
Operating temp.	-40°F~176°F (-40°C~80°C)	
Pressure	290psi (20bar)	
Probe material	304SS/316SS/316LSS	
Insulator material	UPE	
Housing material	Diecast Aluminum (powder coated)	
Housing protection	NEMA Types 4, 4X; IP65	
Supply voltage	20~250Vac/Vdc, 50/60Hz	
Output rating	ONE Relay Output: 5A 240Vac/5A 24Vdc (Option:two Relay)	
	ONE NPN/PNP Output: 400mA 60Vac/Vdc(Option:two NPN/PNP)	
Fail safe mode	FSH / FSL	
Delay time adjustment	Covered-To-Uncovered, 0~30 sec; Uncovered-to-Covered, 0~30 sec	
Normal indicator	Green LED	
Alarm indicator	Red LED	
Power consumption	Max. 15VA	

Dimensions		
Type	Type C: Anti-Corrosive	Type D: Anti-Static
Model no.	SCL1810	SCL1810
Recalibration method	Pushbutton	
Ambient temp.	-40°F~140°F (-40°C~60°C);UL file number E484424 -40°F~176°F(-40°C~80°C)	
Operating temp.	-40°F~248°F (-40°C~120°C)	-40°F~176°F (-40°C~80°C)
Pressure	290psi (20bar)	
Probe material	304SS probe with PVDF coating.The 304 probe is not contact with the liquid.	304SS/316SS/316LSS with UPE coating
Insulator material	UPE	
Housing material	Diecast Aluminum (powder coated)	
Housing protection	NEMA Types 4, 4X; IP65	
Supply voltage	20~250Vac/Vdc, 50/60Hz	
Output rating	ONE Relay Output: 5A 240Vac/5A 24Vdc (Option:two Relay)	
	ONE NPN/PNP Output: 400mA 60Vac/Vdc(Option:two NPN/PNP)	
Fail safe mode	FSH / FSL	
Delay time adjustment	Covered-To-Uncovered, 0~30 sec; Uncovered-to-Covered, 0~30 sec	
Normal indicator	Green LED	
Alarm indicator	Red LED	
Power consumption	Max. 15VA	

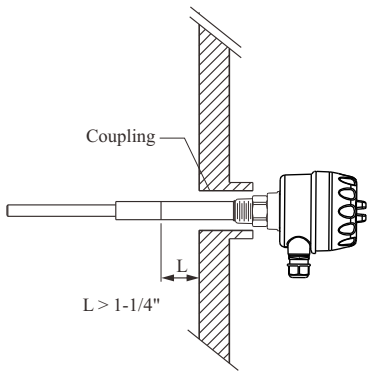
Dimensions		
Type	Type E: High Temperature	Type F: Anti-static High Temperature
Model no.	SCL1810	SCL1810
Recalibration method	Pushbutton	
Ambient temp.	-40°F~140°F (-40°C~60°C);UL file number E484424 -40°F~176°F(-40°C~80°C)	
Operating temp.	-40°F~392°F (-40°C~200°C)	
Pressure	290psi (20bar)	
Probe material	304SS/316SS/316LSS	
Insulator material	PEEK	PTFE
Housing material	Diecast Aluminum (powder coated)	
Housing protection	NEMA Types 4, 4X; IP65	
Supply voltage	20~250Vac/Vdc, 50/60Hz	
Output rating	ONE Relay Output: 5A @ 240Vac, 5A @ 24Vdc (Option: Two Relay Output)	
	ONE NPN/PNP Output: 400mA @ 60Vac/Vdc (Option: Two NPN/PNP Output)	
Fail safe mode	FSH / FSL	
Delay time adjustment	Covered-To-Uncovered, 0~30 sec; Uncovered-to-Covered, 0~30 sec	
Normal indicator	Green LED	
Alarm indicator	Red LED	
Power consumption	Max. 15VA	

Dimensions		
Type	Type G: Cable Extended	Type H: Cable Extended High Temperature
Model no.	SCL1801	SCL1801
Recalibration method	Pushbutton	
Ambient temp.	-40°F~140°F (-40°C~60°C);UL file number E484424 -40°F~176°F(-40°C~80°C)	
Operating temp.	-40°F~176°F (-40°C~80°C)	-40°F~392°F (-40°C~200°C)
Pressure	290psi (20bar)	
Probe material	304SS/316SS/316LSS	
Insulator material	UPE	PEEK
Housing material	Diecast Aluminum (powder coated)	
Housing protection	NEMA Types 4, 4X; IP65	
Supply voltage	20~250Vac/Vdc, 50/60Hz	
Output rating	ONE Relay Output: 5A @ 240Vac, 5A @ 24Vdc (Option: Two Relay Output)	
	ONE NPN/PNP Output: 400mA @ 60Vac/Vdc (Option: Two NPN/PNP Output)	
Fail safe mode	FSH / FSL	
Delay time adjustment	Covered-To-Uncovered, 0~30 sec; Uncovered-to-Covered, 0~30 sec	
Normal indicator	Green LED	
Alarm indicator	Red LED	
Power consumption	Max. 15VA	

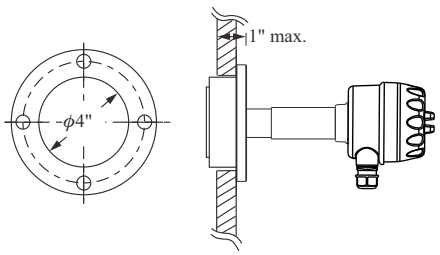
Dimensions		
Type	Type J: Low Profile	Type K: Low Profile High Temperature
Model no.	SCL1812	SCL1812
Recalibration method	Pushbutton	
Ambient temp.	-40°F~140°F (-40°C~60°C);UL file number E484424 -40°F~176°F(-40°C~80°C)	
Operating temp.	-40°F~176°F (-40°C~80°C)	-40°F~392°F (-40°C~200°C)
Pressure	290psi (20bar)	
Probe material	304SS/316SS/316LSS	
Insulator material	UPE	PTFE
Housing material	Diecast Aluminum (powder coated)	
Housing protection	NEMA Types 4, 4X; IP65	
Supply voltage	20~250Vac/Vdc, 50/60Hz	
Output rating	ONE Relay Output: 5A @ 240Vac, 5A @ 24Vdc (Option: Two Relay Output)	
	ONE NPN/PNP Output: 400mA @ 60Vac/Vdc (Option: Two NPN/PNP Output)	
Fail safe mode	FSH / FSL	
Delay time adjustment	Covered-To-Uncovered, 0~30 sec; Uncovered-to-Covered, 0~30 sec	
Normal indicator	Green LED	
Alarm indicator	Red LED	
Power consumption	Max. 15VA	

Dimensions	Inch (mm) 
Type	Type L: Solid Extended
Model no.	SCL1810
Recalibration method	Pushbutton
Ambient temp.	-40°F~140°F (-40°C~60°C); UL file number E484424 40°F~176°F (-40°C~80°C)
Operating temp.	-40°F~176°F (-40°C~80°C)
Pressure	290psi (20bar)
Probe material	304SS/316SS/316LSS
Insulator material	UPE (UHMW Polyethylene)
Housing material	Diecast Aluminum (powder coated)
Housing protection	NEMA Types 4, 4X; IP65
Supply voltage	20~250Vac/Vdc, 50/60Hz
Output rating	ONE Relay Output: 5A @ 240Vac, 5A @ 24Vdc (Option: Two Relay Output) ONE NPN/PNP Output: 400mA @ 60Vac/Vdc (Option: Two NPN/PNP Output)
Remote test	Jumper RT1/RT2 for Test
Fail safe mode	FSH / FSL
Delay time adjustment	Covered-To-Uncovered, 0~30 sec; Uncovered-to-Covered, 0~30 sec
Normal indicator	Green LED
Alarm indicator	Red LED
Power consumption	Max. 15VA

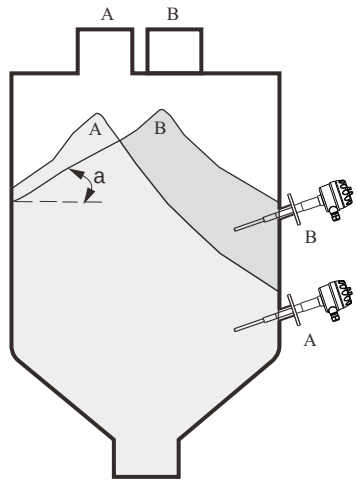
INSTALLATION CONSIDERATIONS



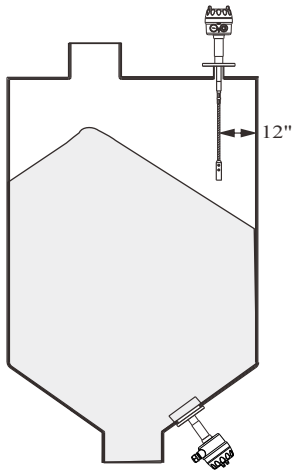
To install SCL standard type probe ensure that a minimum length of 1-1/4" of the insulation section is kept inside of the vessel or else incorrect sensitivity adjustment can occur resulting in false signaling due to a build-up of material in the coupling or sensing of the coupling or vessel wall.



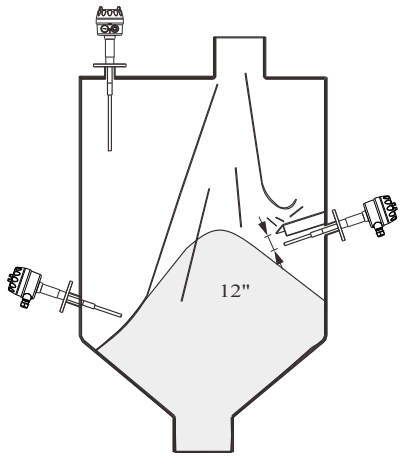
For installation of a Low Profile Type SCL probe please ensure that the maximum vessel wall thickness is 1" or the sensor may falsely indicate material presence due to detecting of the vessel wall.



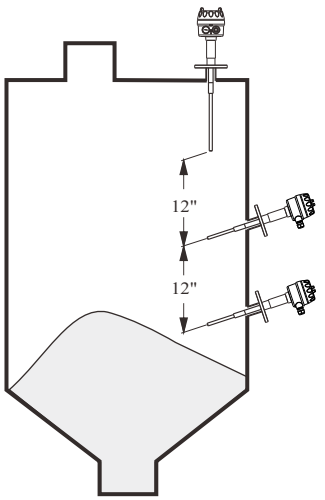
If the vessel fill inlet is not in the Center of the vessel for a bulk solid material ensure that the material angle of repose, caving and arching is taken into consideration. For best performance the sensor should be mounted at a downward angle that exceeds the angle of repose of the material.



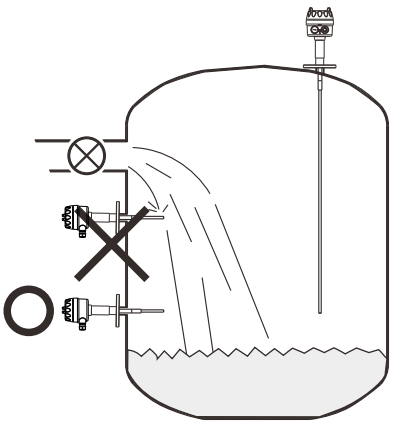
Top mounted cable extended units should be at least 12" or more away from vessel walls. Always consider caving or arching of bulk solid materials when choosing a mounting position relative to the required switching point. The low profile unit can be bottom mounted so long as the mounting allows all material to shed away and off of the sensor.



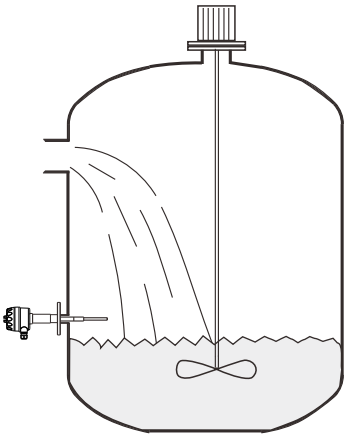
Mount the sensor away from the fill inlet so it will not be in the path of incoming material. Direct falling material can damage the probe. The installation of a protective baffle or shield 8" above the sensor is recommended if the sensor might be exposed to falling material.



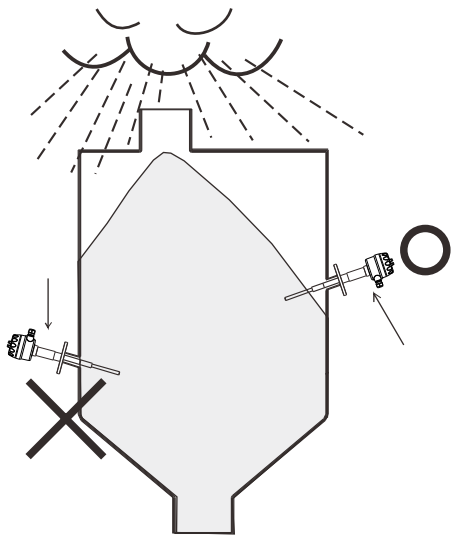
Make sure to observe minimum distance between probes is 12".



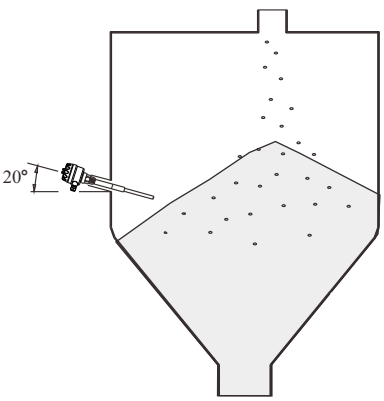
X: Do not mount the level sensor under the filling inlet so it will not be in the path of incoming material.
O: Mount the sensor away from incoming material or use top mount away from fill inlet.



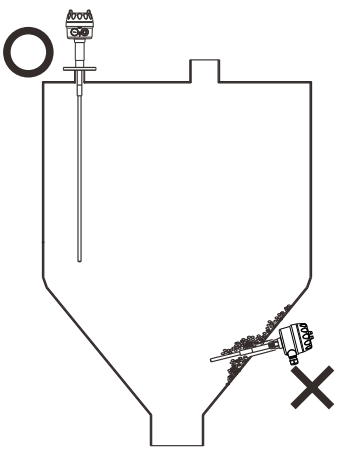
When using the sensor to monitor fluid level when waves exist ensure that the sensor time delay is activated and properly set in order to eliminate nuisance switching action.



X: Incorrect enclosure orientation or loose conduit/cord fitting can cause moisture leaks into sensor and cause damage.
O: Make sure that the conduit entrance is pointed down and all fittings are tight.



When mounting from the side of the vessel, best performance the sensor should be mounted at a downward angle of 20^0. This side mounting orientation reduces the possibility of damage due to inadvertent falling material and optimizes sensitivity and durability.



Use top mount installations of low level monitoring for slowly flowing materials.

ORDER INFORMATION – SCL17

SCL17 □ □ 0 0 0 □ □ □ □ □ □ □

Enclosure Type

0: Without LED Lens
1: With LED Lens

Model

0: Probe 1: Cable 2: Low Profile

Certification

0: Ordinary Locations

Housing

0: Standard
1: With Cover Chain

Conduit Entrance

0: 3/4"NPT

Power & Output

C: 20-250Vac/Vdc, 50/60Hz; TWO Relay Output; 5A @ 250Vac / 30Vdc
D: 20-250Vac/Vdc, 50/60Hz; TWO NPN/PNP Output; 400mA @ 60Vac/Vdc
E: 20-250Vac/Vdc, 50/60Hz; ONE Relay Output; 5A @ 250Vac / 30Vdc
F: 20-250Vac/Vdc, 50/60Hz; ONE NPN/PNP Output; 400mA @ 60Vac/Vdc

Probe Type (#1)

A : Standard	E : High Temp	J : Low Profile
B : Standard	F : Anti-Static High Temp	K : Low Profile High Temp
C : Anti-Corrosive	G : Cable Extended	L : Solid Extended
D : Anti-Static	H : Cable Extended High Temp	

Probe Material (#1)

0 : 304SS 1 : 316SS 2 : 316LSS

Probe Length (#1)

Type A, B, C, D, E, F and L can select X, 0-4 (use below table)
Type G and H can select 1–A (use below table)
Type J and K can select X only
X : Standard

0 : Below 19" (500mm)	6 : Range from 119" to 138"
1 : Range from 20" to 39"	7 : Range from 139" to 157"
2 : Range from 40" to 59"	8 : Range from 158" to 177"
3 : Range from 60" to 79"	9 : Range from 178" to 197"
4 : Range from 80" to 98"	A : Range from 198" to 217"
5 : Range from 99" to 118"	S : Special

Process Connection

Threaded*:

CU: 3/4" NPT	3U: 1-1/4" NPT
DU: 1" NPT	EU: 1-1/2" NPT

* Smallest threaded process connection for Type A, D and F is 3/4”
Smallest threaded process connection for Type B and E is 1”
Smallest threaded process connection for Type C is 1−1/4”

Remarks

Specify exact length required

ORDER INFORMATION – SCL18

SCL18 □□□□□□□□□□□□□

Enclosure Type

0 : Without LED Lens
1 : With LED Lens

Model

0 : Probe
1 : Cable
2 : Low Profile

Certification

0 : N/A
1 : General Location for UL/cULus

Housing

0 : Standard
1 : With Cover Chain

Conduit Entrance

0 : 3/4"NPT

Power & Output

C : 20~250Vdc/Vac, 50/60Hz; TWO Relay Output; 5A @ 240Vac / 24Vdc
D : 20~250Vdc/Vac, 50/60Hz; TWO NPN/PNP Output; 400mA @ 60Vac/Vdc
E : 20~250Vdc/Vac, 50/60Hz; ONE Relay Output; 5A @ 240Vac / 24Vdc
F : 20~250Vdc/Vac, 50/60Hz; ONE NPN/PNP Output; 400mA @ 60Vac/Vdc

Probe Type (#1)

A : Standard
B : Standard
C : Anti-Corrosive
D : Anti-Static
E : High Temp
F : Anti-Static High Temp
G : Cable Extended
H : Cable Extended High Temp
J : Low Profile
K : Low Profile High Temp
L : Solid Extended

Probe Material (#1)

0 : 304SS
1 : 316SS
2 : 316LSS

Probe Length (#1)

Type A, B, C, D, E, F and L can select X, 0-4 (use below table)
Type G and H can select 1–A (use below table)
Type J and K can select X only
X : Standard
0 : Below 19" (500mm)
1 : Range from 20" to 39"
2 : Range from 40" to 59"
3 : Range from 60" to 79"
4 : Range from 80" to 98"
5 : Range from 99" to 118"
6 : Range from 119" to 138"
7 : Range from 139" to 157"
8 : Range from 158" to 177"
9 : Range from 178" to 197"
A : Range from 198" to 217"
S : Special

Process Connection

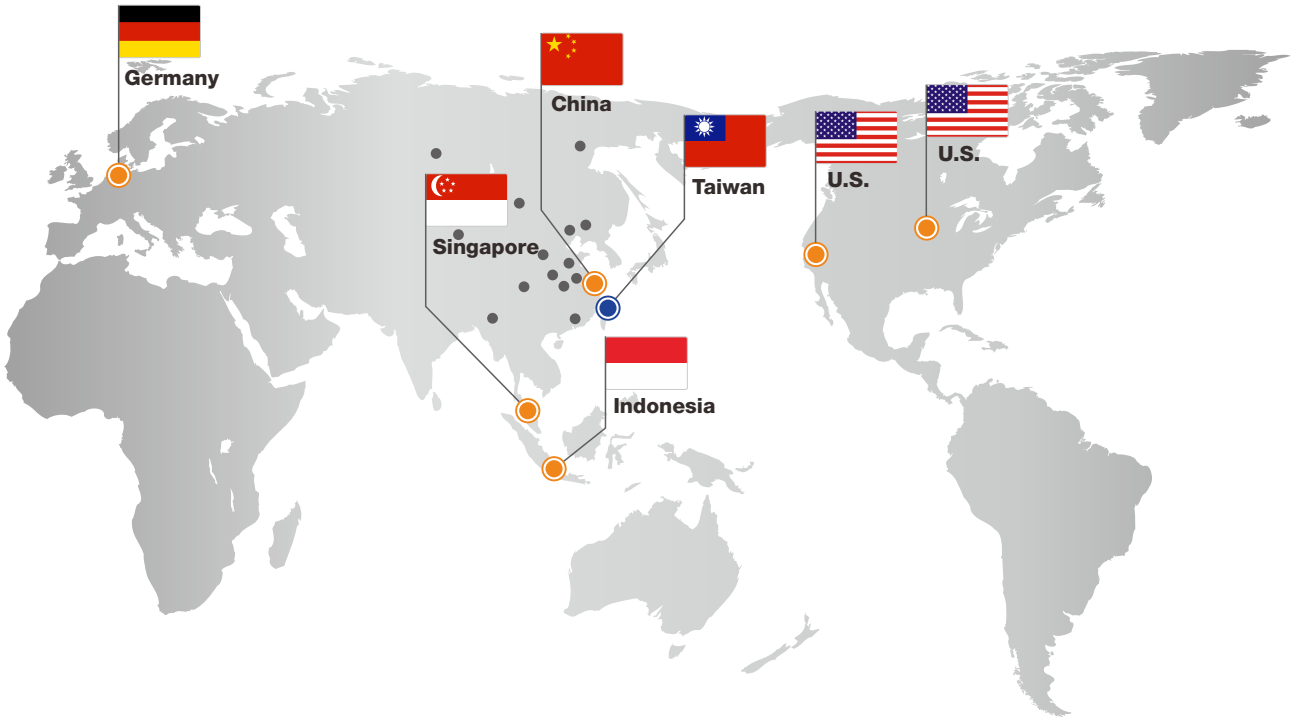
Threaded*:
CU: 3/4" NPT
DU: 1" NPT
3U: 1-1/4" NPT
EU: 1-1/2" NPT

* Smallest threaded process connection for Type A, D and F is 3/4”
Smallest threaded process connection for Type B and E is 1”
Smallest threaded process connection for Type C is 1–1/4”

Remarks

Specify exact length required

Global Network



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