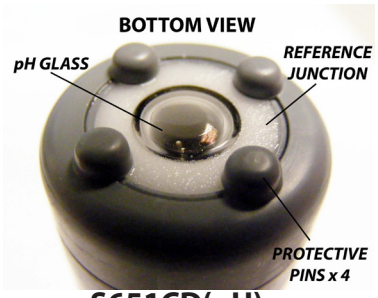
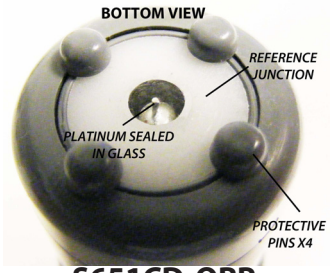
Submersible Flat-Surface, Self-Cleaning pH and ORP Electrodes

NEW S651CD MOUNTING

Original S650CD



S651CD(pH)



S651CD-ORP

Quick disconnect design saves time and money

Installs in seconds, no tools necessary

Flat surface design resists coating

CPVC or PVDF models available

Available with or without ATC elements

The submersion pH and ORP electrodes from Sensorex are designed for measurements in tanks, flumes and sewer lines. Submersion designs are also well suited for high suspended solids applications, flocculation operations which require low velocities, or in tanks with high agitation.

Where low velocities are present and coating is a problem, the electrode can be mounted at a 45 degree angle facing into the flow so as to obtain increased scrubbing action across the measuring surface.

The cartridge quick disconnect design makes changing electrodes a snap and minimizes down time due to electrode maintenance.

Model S651CD offers a pH glass protection feature and the extra performance of acrylamide reference gel.

Specifications

Range	0-14pH (0-12pH without Na+ error) +/- 2000mV for ORP

Wetted Materials

Body/Junction:	CPVC/HDPE ("-CD" models) PVDF/ Porous PVDF ("-KD" models)
Measuring Surface:	pH glass (pH), Platinum or Gold (ORP)
O-rings:	Viton
Gasket:	EPR

Temperature/Pressure Range

(all models ending in "-CD") = 0C* - 75C (0-100psig), 80C (0-85psig)
(all models ending in "-KD") = 0C* - 100C (0-100psig)
Note: From 0 to 10C, electrodes will exhibit slower response time.

Reference Type Ag/AgCl, Sealed Double Junction

Parts covered by this product data sheet include:
S650CD, S650CD-ORP, S650KD, S650KD-ORP, S650CD-LC, S650KD-HT, S651CD, S651CD-ORP, S650CD-LC

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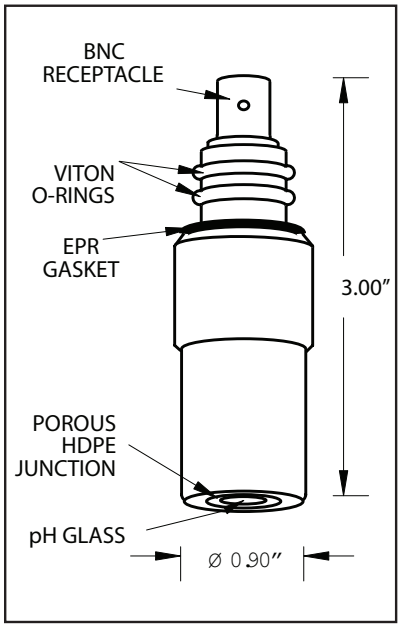
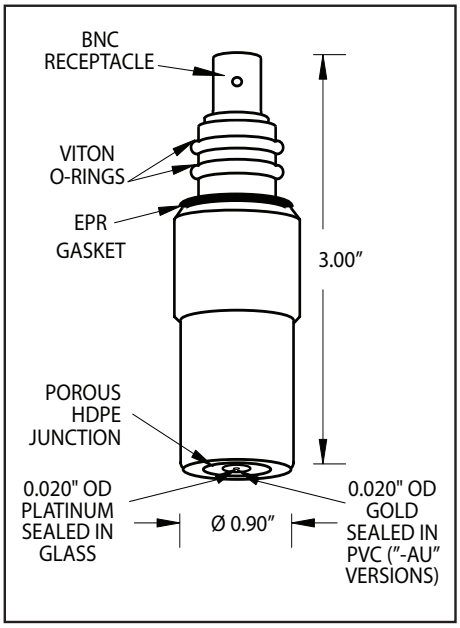
CPVC Electrodes

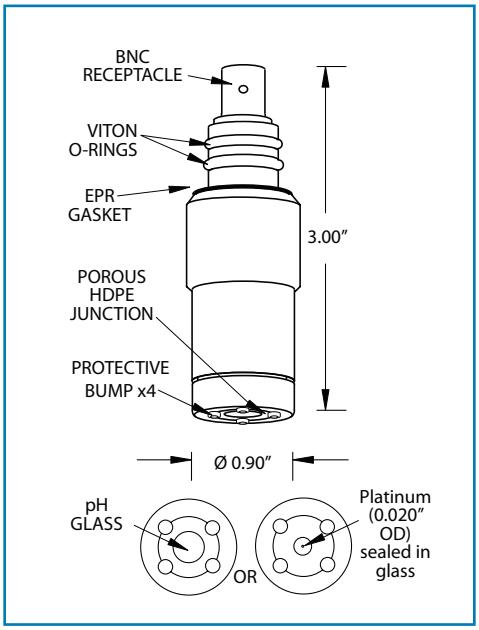
pH - S650CD, S650CD-HT, S650CD-LC



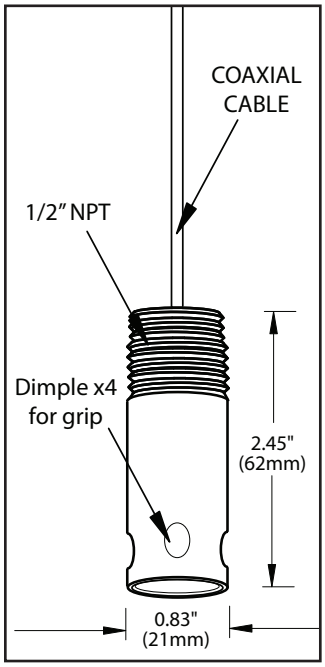
ORP - S650CD-ORP, S650CD-ORP-HT, S650CD-ORP-LC, S650CD-AU

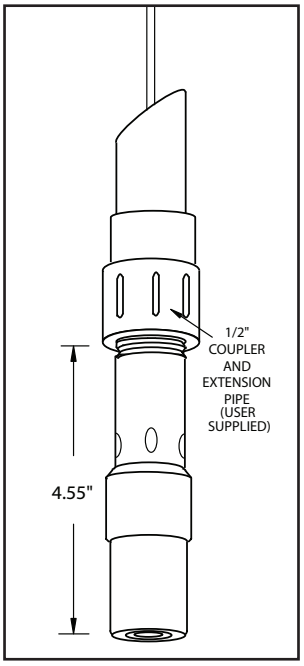


pH & ORP - S651CD, S651CD-ORP

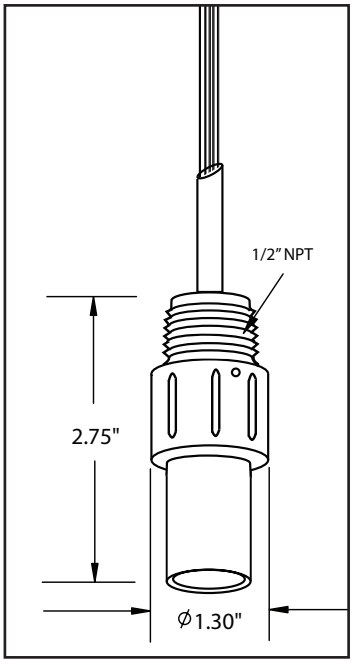


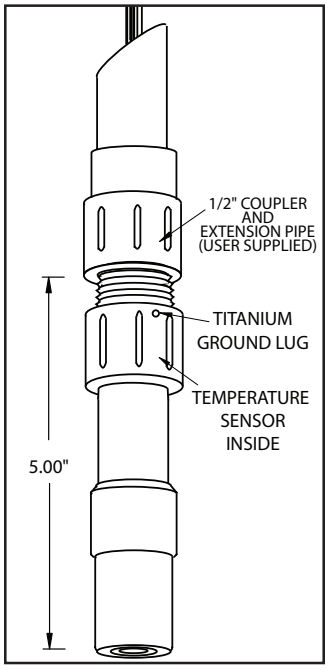
CPVC CABLES WITHOUT ATC - S653





CPVC CABLES WITH ATC - S653TC





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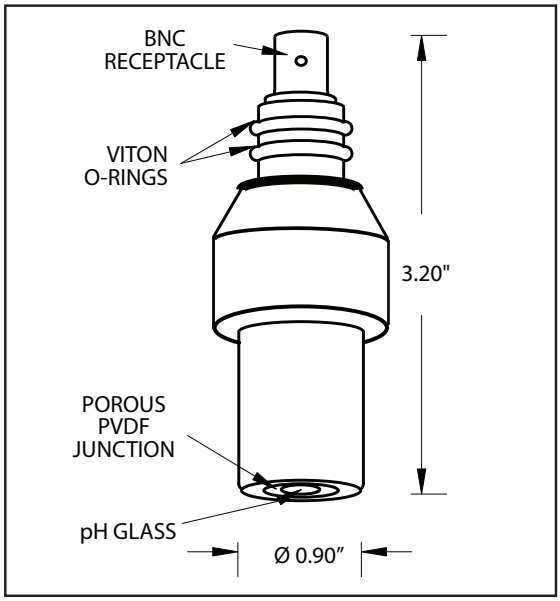
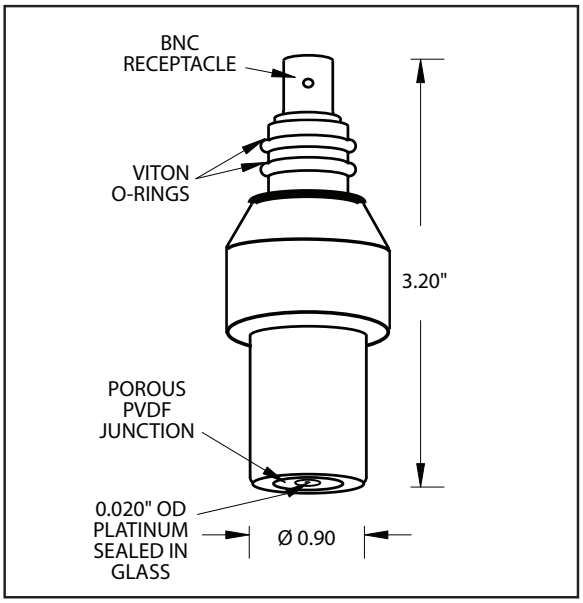
PVDF Electrodes

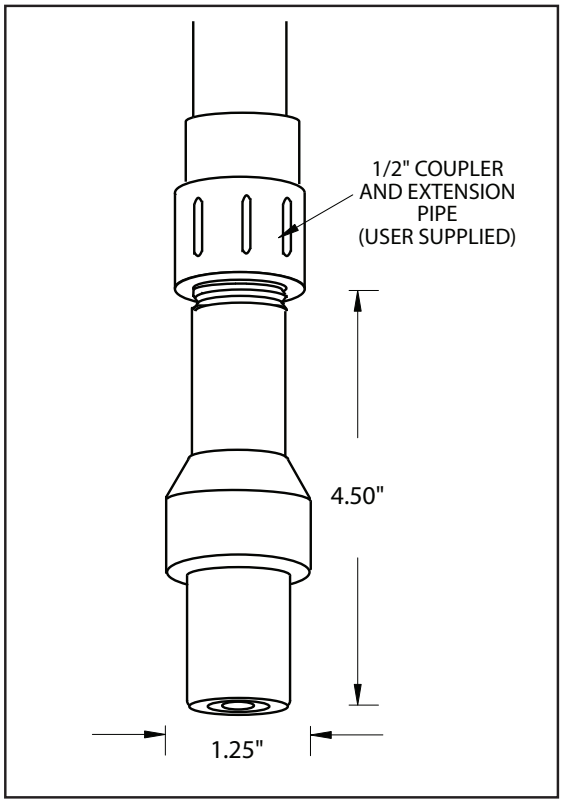
pH - S650KD, S650KD-HT, S650KD-LC



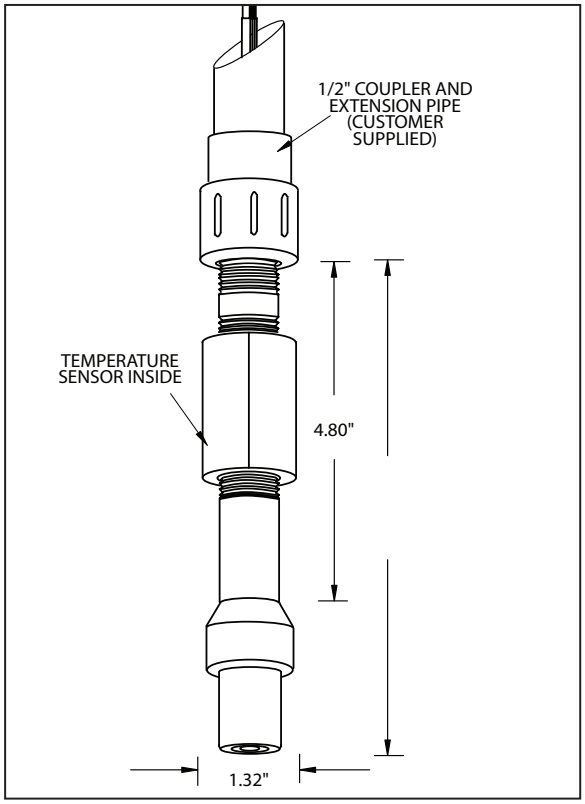
ORP - S650KD-ORP, S650KD-ORP-HT, S650KD-ORP-LC



PVDF CABLE WITHOUT ATC -S653K



PVDF CABLE WITH ATC - S653TK



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ORDERING INFORMATION

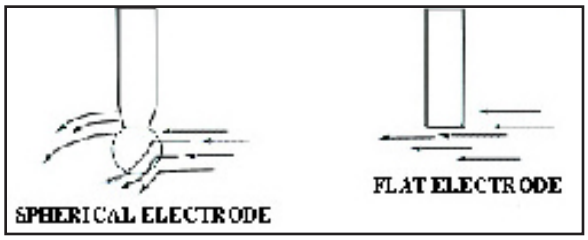
Systems without temperature compensation

ORDER 2 ITEMS	DESCRIPTION	CPVC PARTS	PVDF PARTS
1. Select one electrode(pH or ORP)	pH combination electrode	S650CD	S650KD
	pH combination electrode(high temp)	S651CD	S650KD-HT
	pH comb electrode w/protective tip	S651CD	N/A
	Model for Low Ionic samples	S650CD-LC	S650KD-LC
	Model for acidic HF samples	S650CD-HF	S650KD-HF
	ORP combination electrode	S650CD-ORP	S650KD-ORP
	ORP combination electrode (high temp)	S651CD-ORP	S650KD-ORP-HT
	ORP combination electrode (Gold tip)	S650CD-ORP-AU	S650KD-ORP-AU
2. Select one cable assembly	For conduit use	S653-"cable length"-"Connector"	S653K-"cable length"-"Connector"

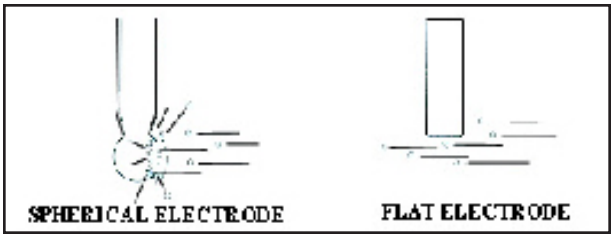
Systems with temperature compensation

ORDER 2 ITEMS	DESCRIPTION	CPVC PARTS	PVDF PARTS
1. Select one electrode	pH combination electrode	S650CD	S650KD
	pH combination electrode(high temp)	S651CD	S650KD-HT
			S650KD-LC
	Model for Low Ionic samples	S650CD-LC	S650KD-HF
	Model for acidic HF samples	S650CD-HF	N/A
	pH comb electrode w/protective tip	S651CD	
2. Select one cable assembly	For conduit use	S653TC -"ATC CODE"-cable length"-"Connectors"	S653TK-"ATC CODE"-"cable length"-"Connectors"
	for exposed cable use		----

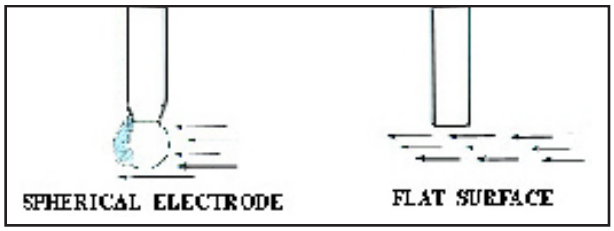
SELF-CLEANING OPERATION



ABRASION-FREE OPERATION



VISCOUS MATERIAL OPERATION



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