

# Freeze Protection Kit

## FOR SEAMETRICS SUBMERSIBLE SENSORS



### FEATURES

Durable, closed cell foam

Insert absorbs ice expansion to prevent damage to diaphragm

Sleeve absorbs compression on body of sensor

Easy to install

## Protect your sensors from damage caused by freezing water

### GENERAL SPECIFICATIONS

<b>Material</b>		Polyethylene
<b>Length</b>	<i>Pressure/Level</i>	12 inches (30.5 cm)
	<i>Water Quality</i>	18 inches (45.7 cm)
<b>Diameter</b>		1.6 inches (4.1 cm)

### TEMPERATURE RANGES (WITH FREEZE PROTECTION KIT)

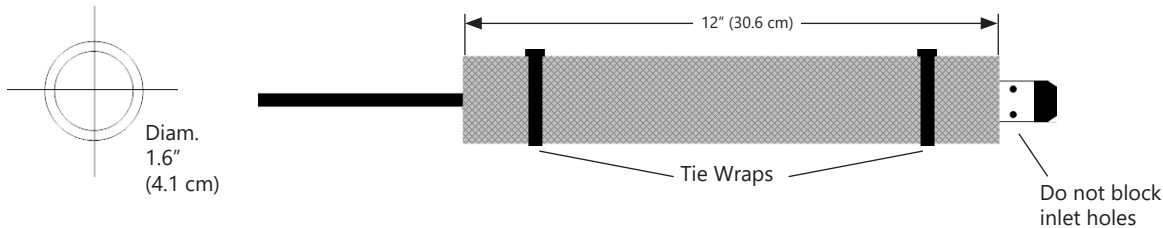
	PRESSURE/LEVEL, WATER QUALITY (CT2X) WITH PRESSURE/LEVEL	WATER QUALITY (CT2X) WITHOUT PRESSURE/LEVEL	WATER QUALITY (TEMPHION)
Compensated Temperature Range	0° C to 40° C (32° F to 104° F) -10° C to 30° C (-14° F to 80° F) <i>(by special request)</i>	-5° C to 40° C (23° F to 104° F)	0° C to 40° C (32° F to 104° F)
Operating Temperature Range	-15° C to 55° C (5° F to 131° F)	-5° C to 40° C (23° F to 104° F)	0° C to 55° C (32° F to 131° F)
Storage Temperature Range			
<i>Without Batteries</i>	-40° C to 80° C (-40° F to 176° F)	-40° C to 80° C (-40° F to 176° F)	-20° C to 80° C (-4° F to 176° F)
<i>With Lithium Batteries</i>	-40° C to 80° C (-40° F to 176° F)	-40° C to 80° C (-40° F to 176° F)	-20° C to 80° C (-4° F to 176° F)
<i>With Alkaline Batteries</i>	-20° C to 55° C (-4° F to 131° F)	-20° C to 55° C (-4° F to 131° F)	-20° C to 55° C (-4° F to 131° F)



## Installation Instructions

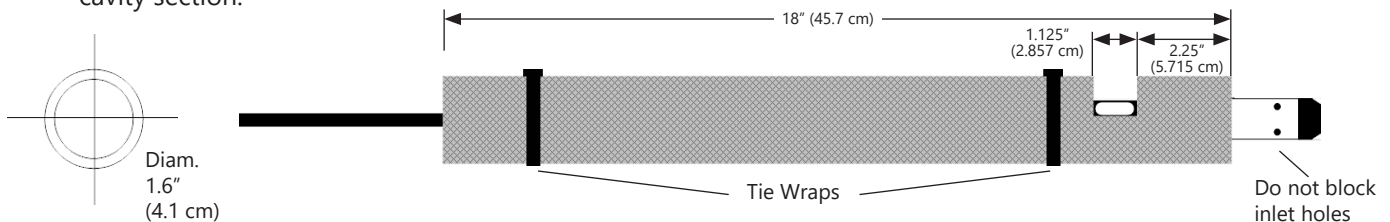
### STANDARD PRESSURE/LEVEL SENSORS

1. Remove end cone from sensor.
2. Insert foam into end cone cavity.
3. Replace end cone assembly.
4. Insert sensor inside foam sleeve and use tie wraps to lock in place above inlet holes.



### WATER QUALITY SENSORS WITH PRESSURE/LEVEL (CT2X with Pressure)

1. Remove end cone from sensor.
2. Insert foam into end cone cavity.
3. Replace end cone assembly.
4. Insert sensor inside foam sleeve and use tie wraps to lock in place above inlet holes. The conductivity electrode should be exposed in the cut-out electrode cavity section.



### WATER QUALITY SENSORS WITHOUT PRESSURE/LEVEL (CT2X, TEMPHION)

1. Insert sensor inside foam sleeve and use tie wraps to lock in place with sensor electrode exposed in the cut-out electrode cavity section. **For TempHion sensors, make sure that the foam does not cover the inlet holes in the reference body.**

