Freeze Protection Kit
FOR SEAMETRICS SUBMERSIBLE SENSORS

Seametrics
Precision Environmental Sensors
An ONICON Brand

TempHion

CT2X

PT2X

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

Material		Polyethylene
Length	*Pressure/Level*	12 inches (30.5 cm)
	Water Quality	18 inches (45.7 cm)
Diameter		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)* *(by special request)*	-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			
Without Batteries	-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)
With Lithium Batteries	-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)
With Alkaline Batteries	-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)

ISO 9001:2008 Certified Company

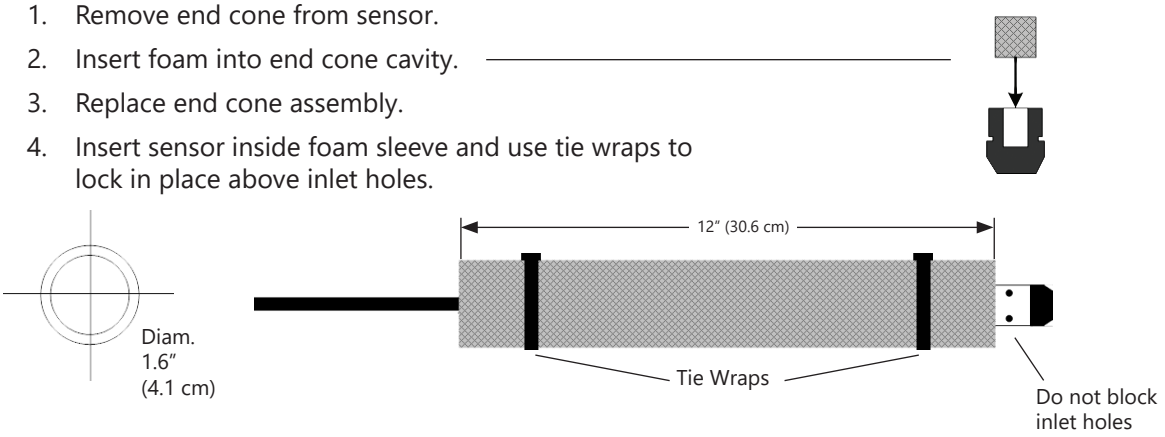
Proudly Made in the USA

Freeze Protection Kit
FOR INW SUBMERSIBLE SENSORS

Installation Instructions

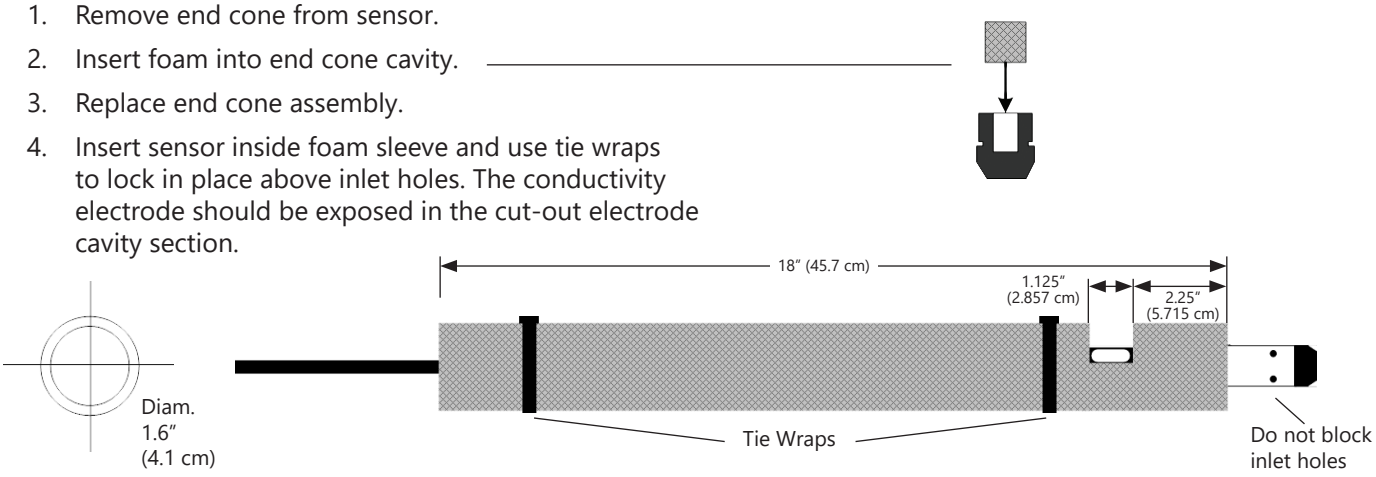
STANDARD PRESSURE/LEVEL SENSORS

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.



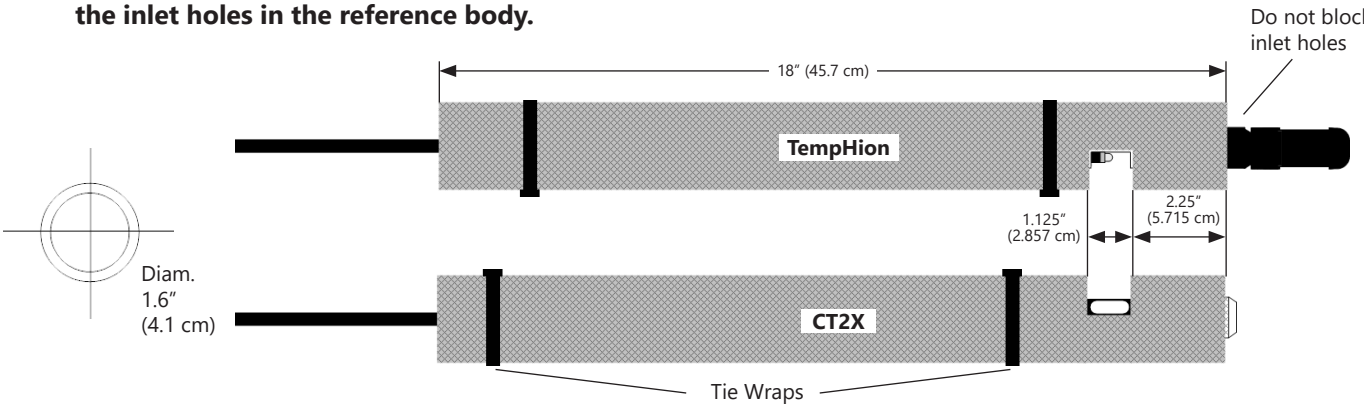
WATER QUALITY SENSORS WITH PRESSURE/LEVEL *(CT2X with Pressure)*

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.**



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