### SPECIFICATIONS #E113



#### **Parameters:**

Conductivity Specific Conductance Salinity Temperature

Most conductivity cells cannot be fully cleaned by mechanical anti-fouling wipers, but the EXO Wiped (C/T) probe was purposebuilt to protect your <u>conductivity</u> data.

# **EXO Wiped Conductivity & Temperature Sensor** Better conductivity measurements for the EXO2 platform.

**In long-term water quality monitoring, biofouling is public enemy number one.** Biofilms, barnacles, and algal growth are common culprits of poor data quality, clogging up conductivity cells and coating sensor optics. While EXO2's Central Wiper can mechanically remove biofouling from other sensors to maintain data integrity over long deployment periods, the anatomy of a standard conductivity & temperature sensor makes this anti-fouling technique ineffective...until now.

Introducing the new **EXO Wiped Conductivity & Temperature** sensor from YSI, designed with and engineered for compatibility with EXO2's Central Wiper.

## Discover the benefits of Wiped (C/T):



Save money by reducing the number of site visits each year. Pays for itself in under a year depending on application.



Lower the cleaning & maintenance requirements for conductivity sensors, and spend less time with anti-fouling screens and removing the build-up of hard growth.



Improve the reliability of your conductivity sensor, now with non-metallic electrodes.



Improve the representativeness of your conductivity data by avoiding stagnant readings and reducing the impact of micro-environments.



Reduce the need for post-processing data and spend less time manually adjusting for fouling-related sensor drift.



Prevent common types of fouling from impacting your valuable data, including; particulates, algae, barnacles, and trapped gasses.







# And most importantly...

Leverage the flexible, plug-and-play sensor architecture of an exisitng EXO2 Sonde:

- User upgradeable solution
- Same sonde platform, new sensor
- No downtime, no service costs to transition

Conductivity   Range   0 to 100 mS/cm     Accuracy   ±1% of the reading or 0.002 mS/cm, whichever is greater     Resolution   0.0001 to 0.01 mS/cm (range dependent)     Specific Conductance   Range   0 to 100 mS/cm     Accuracy   ±1% of the reading or 0.001 mS/cm, whichever is greater     Resolution   0.0001 to 0.01 mS/cm (range dependent)     Salinity   Range   0 to 70 pt     Accuracy   ±2% of the reading or 0.2 pt, whichever is greater     Resolution   0.01 pt     Temperature   Range   5 to 50°C     Accuracy   ±0.2°C     Resolution   0.001°C     Resolution   2.001°C     Deperting Temperature   -5 to 50°C     Storage Temperature   -5 to 50°C     Compatible With   -5 to 50°C     Storage Temperature   -5 to 5	EXO Wiped (C/T) Sensor Specifications			
Specific Conductance   Range   0 to 100 mS/cm     Accuracy   ±1% of the reading or 0.001 mS/cm, whichever is greater     Resolution   0.0001 to 0.01 mS/cm (range dependent)     Salinity   Range   0 to 70 ppt     Accuracy   ±2% of the reading or 0.2 ppt, whichever is greater     Resolution   0.01 ppt     Temperature   Range   -5 to 50°C     Accuracy   ±0.2°C     Resolution   0.001°C     Varianty   -5 to 50°C     Storage Temperature   -5 to 50°C     Compatible With   2 years     Compatible With   EXO2 Sonde and Central Wiper     Storage Conductivit	Conductivity	Accuracy	$\pm$ 1% of the reading or 0.002 mS/cm, whichever is greater	
Accuracy±2% of the reading or 0.2 ppt, whichever is greater ResolutionResolution0.01 pptTemperatureRange-5 to 50°C AccuracyAccuracy±0.2°C ResolutionAccuracy±0.2°C ResolutionResolution0.001°C Response TimeTemperature-5 to 50°C C C 20 secondsOperating Temperature-5 to 50°C C 20 to 80°CStorage Temperature-5 to 50°C C 20 to 80°CDepth Rating-5 to 50°C 20 metersWarranty250 metersCompatible WithEXO2 Sonde and Central WiperCOrdecting temperature sensorStorage Temperature sensor	Specific Conductance	Accuracy	$\pm$ 1% of the reading or 0.001 mS/cm, whichever is greater	
Accuracy Accuracy Resolution Response Time±0.2°C C P5<30 secondsAdditional Specifications	Salinity	Accuracy	±2% of the reading or 0.2 ppt, whichever is greater	
Operating Temperature   -5 to 50°C     Storage Temperature   -20 to 80°C     Depth Rating   250 meters     Warranty   2 years     Compatible With   EX02 Sonde and Central Wiper     Ordering Information (order items separately)     599827   EX0 Wiped Conductivity & Temperature Sensor	Temperature	Accuracy Resolution	±0.2°C 0.001°C	
Storage Temperature -20 to 80°C   Depth Rating 250 meters   Warranty 2 years   Compatible With EXO2 Sonde and Central Wiper   Ordering Information (order items separately)   599827 EXO Wiped Conductivity & Temperature Sensor	Additional Specifications			
599827 EXO Wiped Conductivity & Temperature Sensor	Storage Temperature Depth Rating Warranty		-20 to 80°C 250 meters 2 years	
	Ordering Information (order items separately)			



YSI Inc. 1725 Brannum Ln Yellow Springs, OH 45387 Tel +1.937.767.7241 800.897.4151 info@ysi.com f 🕒 in 🔠 扰 8

Printed in the USA on recycled paper.

Specifications are subject to change. Please visit YSI.com to verify all specs. © 2015 Xylem, Inc. All rights reserved.

