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6-Series Anti-Fouling Kits

System Inhibits Biofouling to Lengthen Deployment Times and Reduce Operating Costs

YSI's Anti-fouling Kits, designed for 6-Series Sondes, are reliable and affordable ways to significantly lengthen deployment times, reduce operating costs, and ensure high quality data for continuously deployed monitoring systems.



YSI 6600 sonde with installed anti-fouling kit

The system complements the existing 6-Series wipers/brushes and uses copper alloys to provide optimal anti-fouling characteristics and long-term durability. The kits also use an environmentally safe, nanopolymer spray to keep non-wiped surfaces slick and challenging for biofouling settlement.

The Anti-fouling Kits will lengthen deployments that are impacted by biofouling by two to five times—or longer, depending on the environment. This means you can reduce expensive maintenance trips to the field by 2-5 times, a major savings in operating costs. With the Anti-fouling Kits installed, cleaning the sonde is much easier and the chance of damage during cleaning is much less.

- Optimize data return from remote monitoring sites
- Lower the cost of long-term deployments by 2-5x
- 200 meter depth rating for all Anti-Fouling Optical Probes
- Easy instrument cleaning with reduced risk of sensor damage

The kit components are sold separately, so you can order the parts you need for a specific sonde. *Refer to back page for list of all components.*

Pure
Data for a
Healthy
Planet.®

Anti-fouling materials were tested by YSI for two years at nine different sites representing a variety of freshwater and marine environments. In these challenging biofouling conditions, the materials which exhibited the best performance relative to durability and anti-fouling properties were selected for the anti-fouling kits.

(Right) YSI sonde with anti-fouling kit after 30 days deployed in a high biofouling environment. The copper anti-fouling kit significantly slowed the growth of aquatic organisms on the sensors.



Photo courtesy of Stephanie Hess, King County



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Optical Sensors, clockwise from bottom left: 6450, 6431, 6425, and 6436



Anti-fouling Wiper



6155 Membrane Kit



Copper Screens



C-Spray Solution



6175 Copper Sonde Guard



6189 Copper Tape



6151 Port Plug

How to Order Anti-fouling Parts

Category	Item Number	Description
Optical Sensors	616425	Anti-fouling Chlorophyll Probe. Includes probe with copper-alloy housing, lock nut, wiper block, and wiper kit. Rated to 200 meter depth.
	616431	Anti-fouling Blue-green Algae-Phycocyanin Probe. Includes probe with copper-alloy housing, lock nut, wiper block, and wiper kit. Rated to 200 meter depth.
	616432	Anti-fouling Blue-green Algae-Phycocerythrin Probe. Includes probe with copper-alloy housing, lock nut, wiper block, and wiper kit. Rated to 200 meter depth.
	616436	Anti-fouling Turbidity Probe. Includes probe with copper-alloy housing, lock nut, wiper block, and wiper kit. Rated to 200 meter depth.
	616450	Anti-fouling ROX™ Dissolved Oxygen Probe. Includes probe with copper-alloy housing, lock nut, wiper block, and wiper kit. Rated to 200 meter depth.
Wipers for Sensors	616625*	6625AF Anti-fouling Wiper Kit for YSI optical sensors.** Includes two wiper assemblies (copper-alloy wiper block, larger pad, and setscrew), hex wrench, and instructions. (Does not include sensor.)
	616630*	6630AF Anti-fouling Wiper/Brush Kit for 6600EDS sonde. Includes two wiper assemblies (copper-alloy wiper/brush assembly, larger pad, and setscrew), hex wrench, and instructions. (Does not include sensor.)
	616445*	6445AF Anti-fouling Wiper/Brush Kit for 6600V2-4 sonde. Includes two wiper assemblies (copper-alloy wiper/brush assembly, larger pad, and setscrew), hex wrench, and instructions. (Does not include sensor.)
Sensor Membrane	606155	6155 Optical DO Membrane Kit for 6150 and 6450 DO Probes. Includes copper-alloy replacement membrane, lock nuts, hex wrench, and instructions. (Does not include sensor.)
Sensor Screens	616270	Copper-mesh screens. Kit includes two pre-formed, anti-fouling screens for 6560 Conductivity/Temperature Probe or 6561 pH Probe, tie wraps, and instruction sheet.
Nanopolymer Solution	616290	C-Spray Protective Probe Solution for 6560 Conductivity/Temperature Probe and other components. 100 mL bottle.
Guards	616145	Copper-alloy sonde guard for 6600 sondes
	616176	Copper-alloy sonde guard for 6820/6920 sondes
	616175	Copper-alloy sonde guard for 600OMS sonde (long length)
Tape	616189	Roll of anti-fouling copper tape. 2 in. wide x 16 ft. long (5 cm x 4.8 m). Adhesive backed. Apply to 6560 Conductivity/Temperature Probe, 6561 pH Probe, and other probes. ~230 applications. Lasts ~4-6 weeks in water.
Port Plugs	616151	Copper-alloy optical probe port plug
	616161	Copper-alloy pH probe and Rapid Pulse DO probe port plug
	616171	Copper-alloy ISE probe port plug

* Proper use of the anti-fouling wipers requires the latest version of 6-Series sonde firmware (3.06 or later).

** For a YSI 6600V2-4 sonde with wiped pH/ORP probe, purchase one 616445 wiper/brush assembly plus 616625 wipers for your remaining optical sensors. For a YSI 6600EDS sonde, purchase one 616630 wiper/brush assembly plus 616625 wipers for your remaining optical sensors.