

Applications

- Lake, stream and wetland monitoring
- Stormwater management
- Coastal deployments – bays and estuaries
- Dam monitoring
- Low-flow groundwater sampling
- Remediation and mine water monitoring



Aqua TROLL® 600 Multiparameter Sonde

Reduce operational and ongoing expenses with this customizable, powerful, and portable multiparameter sonde. The Aqua TROLL® 600 combines industry-leading water quality technology, including built-in LCD display, with revolutionary smartphone mobility. Low power consumption and advanced antifouling for an estimated 6+ month life supports long-term deployment in any application.

The Aqua TROLL® 600 water quality platform is rugged in groundwater and corrosion-resistant in surface water, delivering accurate, reliable data in an easy-to-use, flexible instrument that performs for years. Base sensor configuration includes EPA-approved RDO, pH/ORP, turbidity, conductivity, temperature, and pressure.

Be Mobile.

- **Use the AquaTROLL® 600 anywhere:** Perfect for challenging environments and long-term deployments in fresh and salt water, every detail has been engineered to be easy, reliable, and cost effective.
- **Instantly collaborate with colleagues:** Use a wired or wireless connection for configuration, calibration, data transfer, and real-time analysis and reporting.
- **Streamline data management:** Consolidate all site information on your smartphone and tag with site photos and GPS coordinates. Log data to your smartphone and download results in a standard file format for profiling, low-flow sampling, and more. (Eliminates the need for a proprietary handheld.)

Be Smart.

- **Status in an instant:** LCD display gives you an instant visual indication of status, battery life, and overall functionality to give confidence during deployment. The onboard SD card allows for easy data download or backup, and reduces the time required for deployment and maintenance.
- **No fuss antifouling:** Antifouling to protect all sensors. The only multiparameter sonde to have a sub- 2" active and passive antifouling system with cleanable conductivity.

Standard Sensors	Accuracy	Range	Precision	Resolution	Response Time	Units of Measure	Method
Temperature	+/- 0.1°C	-5 to 50°C (23 to 122°F)	0.05°C	0.05	T63 = 40s, T90 = 4-29, T95 = 8-47 (note: this is the temperature response time of the system, not just the temperature sensor on a standalone sensor)	Celsius or Fahrenheit	EPA 170.1
Barometric Pressure (standard on all models)	+/- 0.5 mBars	300 - 1100 mBars	0.05 mBar	0.1 mBar	T63<1s, T90<1s, T95<1s	Pressure: psi, kPa, bar, mbar, mmHg, mmHg, cmH2O, inH2O	Silicon strain gauge
pH	*0.1 pH unit or better	0 to 14 pH units	0.05 pH	0.01 pH	T63<3s, T90<15s, T95<30s at thermal equilibrium	pH	Std. Methods 4500-H+, EPA 150.2
ORP	* +/- 5 mV from calibration standard @ 25C	±1400 mV	0.5mV	0.1 mV	T63<4s, T90<15s, T95<30s at thermal equilibrium immediately following calibration in +200 mV measuring from air to +400 mV	mV	Std. Methods 2580
Conductivity	+/- 0.5% of reading plus 1 µS/cm at calibration points from 5 to 80,000 µS/cm; +/- 1.0% of reading at calibration points from 80,000 to 120,000 µS	*5 to 200,000µS/cm	0.05% of reading	0.1 µS/cm	T63<2s, T90<3s, T95<3s	mg/L, %saturation, ppm	Std. Methods 2510, EPA 120.1
Rugged Dissolved Oxygen (RDO)* - Classic and Fast Cap	± 0.1 mg/L +/- 0.2mg/L +/- 10% of reading	0 to 8 mg/L 8 to 20 mg/L 20 to 50 mg/L	0.05 mg/L	0.05 mg/L	*Classic: T63<15s, T90<45s, T95<60s Fast: T63<3s, T90<30s, T95<45s	mg/L, %saturation, ppm	EPA-approved In-Situ Methods: 1003-8-2009, 1003-8-2009, 1004-8-2009, 8-2009
Turbidity	+/- 2% or 2 NTU or FNU	0 - 4,000 NTU	0.107 NTU (0-1000); 0.5 NTU (1000-4000)	0.01 NTU (0-1000); 0.1 NTU (1000-4000)	T63<1s, T90<1s, T95<1s	Turbidity: NTU, FNU Total Suspended Solids: ppt	ISO 7027
Level, Depth, Pressure	Typical ±0.1% full scale (FS) or better @ 15°C; ±0.3% FS max. from 0-50C	Non-pressure/Non-Vented 1 BAR = 0 - 30 ft (0-9m) 2 BAR = 0 - 100 ft (0-30m) 5 BAR = 0 - 250 ft (0-76m) 10 BAR = 0 - 650ft (0-200m) Vented 1 BAR = 0 - 30 ft (0-9m) 2 BAR = 0 - 100 ft (0-30m) 5 BAR = 0 - 250 ft (0-76m) 10 BAR = 0 - 650ft (0-200m)	± 0.05% FS or better	0.01% full scale	T63<1s, T90<1s, T95<1s at thermal equilibrium	Pressure: psi, kPa, bar, mbar, mmHg, Level: in, ft, mm, cm, m	Piezoresistive; Ceramic

Warranty

2 year - Sonde, cables, sensors (excluding pH/ORP) 1 year - pH/ORP

Up coming sensors: Ammonia, Nitrite, Chlorophyll a/b

Product Launch Promotion:

10% Trade-in Discount for YSI, HACH, OxyGuard Sensors