



Aqua TROLL® 600 Multiparameter Sonde

Reduce operational expenses with this customizable, powerful, and easy-to-use multiparameter sonde. The Aqua TROLL 600 combines unique industry-leading water quality technology, built-in LCD display, and revolutionary smartphone mobility. Low power consumption and advanced antifouling for up to 9+ month deployment supports long-term installation 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 optical dissolved oxygen, pH/ORP, turbidity, conductivity, temperature, and pressure. Integrate with In-Situ telemetry systems and HydroVu™ Data Services for real-time feedback on your remote monitoring sites.

Be Mobile

- Use the Aqua TROLL 600 anywhere: Titanium components and vented or non-vented options make it perfect for challenging environments and long-term deployments in fresh and salt water.
 Every detail has been engineered to be easy, reliable, and costeffective.
- Save time in the field: Intuitive software simplifies instrument configuration, data analysis, and reporting. No training required, and no waiting for sensor warm-up or set-up.
- Streamline data management: Set up logs and manage data from the field using the VuSitu™ Mobile App. Consolidate all site information on your mobile device and tag sites with photos and GPS coordinates. Log data to your smartphone and download results in a standard file format for profiling, low-flow sampling, and more.

Be In-Situ

- Receive 24/7 technical support and online resources.
- Order products and accessories from the In-Situ website.
- Get guaranteed 7-day service for maintenance (U.S.A. only).

Be Smart

- Status in an instant: LCD display gives you an instant visual indication of sensor status, data log, battery life, and overall functionality to give confidence during deployment. The onboard SD card allows for quick and easy data backup and transfer.
- No fuss antifouling: Antifouling to protect all sensors.
 The only multiparameter sonde to have a sub-2 in. active antifouling system with cleanable conductivity.
- **Get accurate results**: Self-compensating tubidity/RDO/ level, smart diagnostics, and stable sensor technology provide minimal drift and increased accuracy with NIST-traceable factory calibration report. Smart sensors store information internally, maintaining data and calibration within the sensor for traceable results.

Applications

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

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General							
Operating Temperature (non-freezing)	(5 to 50°C (27 to 122°F)		External Power	8-36 VEC (not required for mornal operation)			
Storage Temperature	Components Without Fluid: -40°C to +60°C (Non-heating water) ptf Phobes -5°C to +60°C		Reading Rates	T mading per TO seconds for all parameters, no vigo. T mading per TO seconds for all parameters, with vigor.			
Dimensions	4.7 pm (1.85 in.) 0.0 x 19.2 pm (21.5 in.) (includes commoded) With last 12.5 pm (28.7 in.)		Data Logging	10 pergrammable train blefreet, scheduled to ran, or stered) Leggleg modes. Linear, Linear Greeqe, basel			
Weight	1.45 kg/1.2 bs Socioles all sensors, batteries, and half.		Logging Modes	Linear, Linear Amerage, Toront			
Wetted Materials	PC, PC alloy, Debto;**, Santopress**, Incomo!**, Mitani**, Nitaniam, Graenic, Mylon		Logging Rate	1. minute to 97 hours.			
Environmental Rating	PNI with all sensors and cable attached PNI without the sensors, hattery cover or cable attached		Communication Device	TROLL Gars or Wineless TROLL Com			
Max Pressure Rating	19 to 110 PS		Cable Options	Vented or mm-vertied polymerthans or vented fellol?"			
Output Options	85-485,0400805,504-12, 89a-touch*		LCD Display	Integrated display drows status of words, sensor ports, data log, and buttery.			
Internal Memory 1; Micro SD Card 1	To MR, 8 GB micro SD card including over replaceable, Logs to, can file format.		Softmare	Android"- Valita through Google Play", Windows": Win-Seta S. Balla Service: Hydrolic			
Internal Power	2 minmat our-replaceable Alkaline D1	atteries	Interface	Android 4.4, require, Blummith 2.0, We-Sna.1 Selfware			
Battery Life '	9 minth typs d		Certifications	EE, FOC (\$759CTLD*-E), WHEE, RaffS Ca	CC27-E), WEET, RaftS Compilant		
Standard Sensors	Accuracy	Range	Resolution	Response Time	Units of Measure	Method	
Temperature *	±0.3°C	-5 to 50°C (23 to 122°F)	0.05	763<25, 790<154, 795<30s	Colsius or Fahrenhelt	EPA 170.1	
Baronnetric Pressure (stan- dard on all models)	±0.5 mbar	300 - 1,100 mbur	0.1 mbar	163ch, 190ch, 195ch	Pressure: psi, kPa, but, mhar, inHg, mmHg, cmH20, inH20	Sificon strain gauge	
pit*	±0.1 pH unit or better	0 to 14 pH units	9.01 pH	763<3s, 790<2s, 795<3s	μH	5td. Method: 4506-H + / EPA 150.2	
ORP*	±5mN	±1,400 mW	8.1 mV	163<3s, 190<15c, 195<30s	mW.	Std. Methods 2580	
Conductivity *	±0.5% of reading plus 1 µ5/ on from 5 to 80,000 µ5/cm; ±1.9% of reading from 80,000 to 200,000 µ5/cm	S to 200,000 µS/cm	B.1 µSrom	163<1s, 790<3s, 795<5s	Actual conductivity (µ5/xm, m5/cm); Specific conductiv- ity (µ5/cm, m5/cm); Salinity (79U); Total dissolved solids (ppt, ppm); Resistivity (Ohms- cm); Dessity (p/cmi)	Spd. Methods 2516/ EPA 120.1	
Rugged Dissalved Oxygen (RDO) Classic and Fast Cap	±0.1 mg/L ±0.2 mg/L ±10% of reading	Oto-Eng/L 8to-20 mg/L 20 to 50 mg/L	0.05 mg/L	Classic 763<15s, 190<45s, 195<60s Fast 763<3s, 190<30s, 195<45s	mg/L, Yeshturation, ppm	EPA approved in Situ Method 1002-9-2009, 1003-8-2009, 1004-8-2009	
Turbidity	±2% or 2 NTU or FNN	0 to 4,000 NTU	0.01 NTU (0 to 1,000); 0.1 NTU (1,000 to 4,000)	163<1s, 190<1s, 195<1s	Turbultry: NTU, FMU Total Sespended Solids: ppt	150 7027	
Pressure* (Bytional)	Typical ±0.1% full scale (F5) or better (#15° C) ±0.3% F5 max. from 0-50° C	Non-Vented or Vented 9.0 m (36ft) (Burst: 17 m; 90 ft) 30 m (100 ft) (Burst: 40 m; 130 ft) 76 m (250 ft) (Burst: 107 m; 350 ft) 200 m (650 ft) (Burst: 129 m; 750 ft)	0.01% full scale	163<1s, 190<1s, 195<1s	Pressure; psi, aPa, but, mbar, acita, manife; tovet in, ft, men, cru, m	Pleasesistive; Ceumic	
Warranty ^T	2 year - Sonde, cables, sensors (excluding pit/ORP); 1 year - pit/ORP sensor						
Motes	1) > 100,000 data records for 30 parameters, > 3 years at 15 min. interval for 30 parameters. 1 data record — distribute plus 6 parameters logged, 2) Logging and wiping all sensors at 15 min. interval. Eatherty file dependent on site conditions. 3) Sensor only, when transferring from air to ambient water temperature. 4) Begons time at thermal equilibrium. 5) Accuracy at calibration points, 6) Vented measurements are derived using bonnestin: personne sonur compression. 7) Estended warranty option for sinde only (1-3 year extension for up to 5 years total). Specifications are subject to change without notice. And hald is a trademark of English that is registered trademark of Enumble Motals. Intonel is a trademark of Enumble Motals.						



Low-Flow Sampling System (left)

Use your smartphone or tablet to automate the collection of well and pumping information, monitor and record the stabilization of key water quality parameters, and automatically generate calibration and sample reports to conform to federal and regional regulations.







