Aqua TROLL®500
Multiparameter Sonde

The customizable sonde comes with sensors that include:
• RDO Optical Dissolved Oxygen
• Actual and specific conductivity
• pH/ORP
• Salinity
• Total dissolved solids (TDS)

Connect the Aqua TROLL 500 to a Wireless TROLL Com and use it as
a handheld, or connect the probe to control systems or telemetry for
remote monitoring.

BE IN-SITU
• Get free 24/7 tech support and application guidance in the field
• Guaranteed 7-day maintenance turnaround
• Top rated for customer service for over 40 years

REDUCE MONITORING COSTS AND GET BETTER DATA
FASTER WITH THE AQUA TROLL 500, A COST-EFFECTIVE
MULTIPROBE IDEAL FOR BOTH SPOT CHECKS AND
LONG-TERM MONITORING. THIS WIRELESS-ENABLED
INSTRUMENT STREAMLINES DATA COLLECTION, SAVING
HOURS IN THE FIELD WHILE DELIVERING MORE RELIABLE
DATA.

The customizable sonde comes with sensors that include:
• RDO Optical Dissolved Oxygen
• Actual and specific conductivity
• pH/ORP
• Salinity
• Total dissolved solids (TDS)
• Resistivity
• Density
• Turbidity
• Temperature and pressure
• Ion Selective Electrodes

Connect the Aqua TROLL 500 to a Wireless TROLL Com and use it as
a handheld, or connect the probe to control systems or telemetry for
remote monitoring.

BE SMART
• Lower cost of ownership: Rugged probe with wet-mateable sensors
  replaces single parameter instruments and requires minimal maintenance
  and calibration.
• Data you can count on: The corrosion-resistant probe withstands
  harsh environments, highly stable sensors with simple calibration. LCD
  readout of sensor health and connectivity gives you confidence in your
  deployment.
• Simple setup: Connect easily with telemetry, PLC/SCADA or
data loggers, or download real-time data wirelessly via mobile app for
spot checks and profiling. The app walks you through SOPs, just click to
download and share data—no training or post-processing required.

BE MOBILE
• Save time in the field: Auto-configuration and fast sensor response
  speed up sampling, while automated data collection eliminates the need
  to record data in field logs.
• Use the Aqua TROLL 500 anywhere: Flexible multiprobe works for
  spot checks and low-flow sampling as well as long-term deployments.
  Anti-fouling wiper and titanium construction provide reliability even in
  challenging conditions.
• Take your data with you: VuSitu Mobile App records data directly
  from the probe to your mobile device when using the instrument as a
  handheld. For long-term monitoring, our HydroVu platform provides 24/7
  online data access.

Applications:
• SURFACE WATER SPOT SAMPLING AND PROFILING
• REMOTE MONITORING VIA TELEMETRY
• LONG-TERM DRINKING WATER, WASTEWATER OR
  STORMWATER MONITORING
• AQUACULTURE
• IDEAL FOR WIRED OR WIRELESS WATER QUALITY NETWORKS

Your Eyes in the Field®

In-Situ

Authorised distributor

In Australia:
For customer service, call 1300-735-292
To fax an order, use 1800-067-639
To email an order, ordersau@thermofisher.com

In New Zealand:
For customer service, call 0800-933-966
To fax an order, use 0800-329-246
To email an order, ordersnz@thermofisher.com
### GENERAL

**Aqua TROLL® 500 Multiparameter Sonde**

**OPERATING TEMPERATURE**

-5 to 50°C (23 to 122°F)

**Barometric Pressure**

Components, without fluid: -40°C to +65°C (Non-Freezing Water)

**Temperature and pH**

-0.1°C or better

**Ammonia**

Requires salinity, 

-Unionized Ammonia
-Total Ammonium/Nitrate: 0 - 40°C

**Chloride**

0 - 50°C

**Phosphate**

-0.1 mg/L

**Conductivity**

-/+1.0 mS/cm

**ORP**

-/+5 mV

**Pressure**

Components, without fluid: -40°C to +65°C (Non-Freezing Water)

**Storage Temperature**

-40°C to +65°C (Non Freezing Water)

**Weight**

0.978 kg / 2.15 lbs.

**Dimensions**

Length: 46 cm (18.145") (includes connector).

Diameter: 4.7 cm (1.860")

**Warranty**

Extended warranty option for sonde only (1-3 year extension for up to 5 years total).

**RATED TO 25 m DEPTH**

**Temperature and pH**

-5 to 50°C (23 to 122°F)

**Ammonia (requires salinity,**

-Unionized Ammonia, Total Ammonium/Nitrate: 0 - 40°C

**Chloride**

0 - 50°C

**Nutrients**

-0.1 mg/L

**Conductivity**

-/+0.5% of reading plus 1 µS/cm from 0 to 100,000 µS/cm; +1.0% of reading from 100,000 to 200,000 µS/cm

**Pressure**

Components, without fluid: -40°C to +65°C (Non-Freezing Water)

**Storage Temperature**

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