

# AQUA TROLL 100 DATA LOGGER

SKU: INS-AQT-100

Measure and record temperature and conductivity with the Aqua TROLL 100. See live readings in the Blueye App and export dive logs with insightful plots of the parameters.

**Supplier:** In-Situ



## TECHNICAL SPECIFICATIONS

### Physical details probe

<b>Length</b>	315 mm / 12.4 in
<b>Diameter</b>	18.3 mm / 0.72 in
<b>Weight</b>	188 g / 0.41 lb
<b>Depth rating</b>	340 m / 1,115 ft
<b>Operating temperature</b>	-5°C (23°F) to 50°C (122°F)
<b>Material</b>	Titanium body and sensors, Delrin® nose cone, and PVC conductivity cell
<b>Supported parameters</b>	Temperature Conductivity
<b>Reading rate</b>	New readings every second

### Temperature sensor

<b>Method</b>	EPA Method 170.1
<b>Accuracy &amp; Resolution</b>	Accuracy: ±0.1° C. Resolution: 0.01° C or better
<b>Units of measure</b>	Celsius or Fahrenheit
<b>Warranty</b>	2 years. Up to 5-year (total) extended warranties available.

### Conductivity sensor

<b>Type</b>	Balanced 4-electrode cell
<b>Methods</b>	EPA Method 120.1; Standard Methods 2510

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<b>Range</b>	0 to 100,000 $\mu\text{S}/\text{cm}$
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<b>Accuracy</b>	$\pm 0.5\%$ of reading + 1 $\mu\text{S}/\text{cm}$ when reading less than 80,000 $\mu\text{S}/\text{cm}$ $\pm 1.0\%$ of reading when reading above 80,000 $\mu\text{S}/\text{cm}$
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<b>Resolution</b>	0.1 $\mu\text{S}/\text{cm}$
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<b>Parameters supported</b>	Actual conductivity Specific conductivity Salinity Total dissolved solids Resistivity Density (water salinity)
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