

VODA

Multiparametrická sonda - Aqua TROLL 400

Základní vlastnosti

- Multiparametrická sonda měřící 12 kvalitativních parametrů vody
- Sonda obsahuje 6 senzorů
- Systém revitalizace pH senzoru snižuje provozní náklady
- Intuitivní mobilní aplikace VuSitu, snadný import dat do PC
- Robustní a antikorozní provedení – krytí IP68
- Kompaktní a robustní sonda vhodná i pro dlouhodobou instalaci
- Výstup: Modbus/RS485 nebo SDI-12
- Rozměry: 4,7 cm x 26,9 cm
- Záruka: 2 roky



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Technická specifikace

GENERAL	AQUA TROLL 400 MULTIPARAMETER PROBE						
OPERATING TEMP.	-5 to 50° C (23 to 122° F)						
STORAGE TEMP.	-40 to 65° C (-40 to 140° F)						
DIMENSIONS AND WEIGHT	Dimensions: 4.7 cm (1.85 in.) OD x 26.9 cm (10.6 in.) with restrictor installed (does not include cable connector). Weight: 694 g (1.53 lbs)						
WETTED MATERIALS	PVC, 316 stainless steel, titanium, Acetal, Viton®, PC/PMMA						
ENVIRONMENTAL RATING	IP68 with all sensors and cable attached. IP67 with sensors removed or cable detached.						
MAX. PRESSURE RATING	112 m (368 ft); 160 psi						
OUTPUT OPTIONS	Modbus/RS485 and SDI-12						
PROBE READING RATE	1 reading every 5 seconds (no internal logging)						
POWER	Required: 8-36 VDC (no internal battery). Measurement current: 16 mA @ 24 VDC. Sleep current: 40 µA @ 24 VDC						
INTERFACE	In-Situ Con TROLL PRO System; Vulink Telemetry System; SCADA/PLC; HydroVu Data Services, and third-party data loggers, samplers, controllers, and telemetry systems.						
CABLE	Customizable, non-vented (absolute) RuggedCable® System is available in either Tefzel® or polyurethane.						
STANDARD SENSORS	ACCURACY	RANGE	RESOLUTION	SENSOR TYPE	RESPONSE TIME	UNITS OF MEASURE	METHODOLOGY
LEVEL, DEPTH, PRESSURE	Typical ±0.1% FS @ 15° C; ±0.3% FS max. from 0 to 50° C	76 m (250 ft); absolute (non-vented)	±0.01% FS or better	Fixed	Instantaneous in thermal equilibrium	Pressure: psi, kPa, bar, mbar, mmHg Level: mm, cm, m, in., ft	Piezoresistive; ceramic
CONDUCTIVITY	Typical ±0.5% + 1 µS/cm; ±1% max.	5 to 100,000 µS/cm	0.1 µS/cm	Fixed	Instantaneous in thermal equilibrium	Actual conductivity (µS/cm, mS/cm) Specific conductivity (µS/cm, mS/cm) Salinity (PSU) Total dissolved solids (ppt, ppm) Resistivity (Ohms-cm) Density (g/cm3)	Std. Methods 2510 EPA 120.1
DISSOLVED OXYGEN OPTICAL RDO-X CAP	±0.1 mg/L ±2% of reading	0 to 20 mg/L 20 to 60 mg/L Full operating range: 0 to 60 mg/L	0.01 mg/L	Fixed with replaceable RDO Sensor Cap. Supports Classic, Fast, and RDO-X caps. Ships with RDO-X cap.	T90: <45 sec. T95: <60 sec.	mg/L, % saturation, ppm, ppO2	EPA-approved In-Situ Methods 1002-8-2009 1003-8-2009 1004-8-2009
	Interferences: Alcohols >5%; hydrogen peroxide >3%; sodium hypochlorite (commercial bleach) >3%; gaseous sulfur dioxide; gaseous chlorine. Organic solvents and certain petroleum-based hydrocarbons may swell the sensing element and destroy it. Examples include, but are not limited to, acetone, chloroform, methylene chloride, and BTEX compounds.						
ORP	±5.0 mV	±1400 mV	0.1 mV	Replaceable pH/ ORP combo sensor	<15 sec.	mV	Std. Methods 2580
pH	±0.1 pH unit	0 to 14 pH units	0.01 pH unit	Replaceable pH/ ORP combo sensor	<15 sec., pH 7 to pH 4	pH units, mV	Std. Methods 4500-H+ EPA 150.2
TEMPERATURE*	±0.1° C	-5 to 50° C (23 to 122° F)	0.01° C or better	Fixed	<30 sec.	Celsius, Fahrenheit	EPA 170.1
WARRANTY	2 years						

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