

STA-77x DO Series Sensors

Dissolved Oxygen



Key Features

- Optical Technology
- Quick Release Tee Options
- Submersible Mount Options (w/ or w/o float)
- Convenient Bluetooth CALModule
- Simple 4-20mA Output
- Easy Connection to MegaTron Controllers
- Temperature Compensated Readings

Application

These optical DO sensors can be used in all types of water systems, have various installation options, and provide accurate, temperature compensated DO measurements via 4-20mA output.

Advantage Controls makes integration simple and convenient with our pre-fab options and no requirement for an external power supply and mA output isolator.

MegaTron line of controllers with a 4-20 mA input can power the sensor and provide accurate relay control with standard set point, high/low alarm, timer functions, and proportional control options based on the dissolved oxygen measurement.

Our WebAdvantage web/cloud based communication platform is included with applicable MegaTron controllers and enables customized remote monitoring, control, reporting and alarms/alert notifications.

Build a Model Number

STA - _____ - _____

Model

- 773** = DO (0.004-20mg/L or 0-200%) single output, CPVC body, 30' cable 7 pin, no tee
773T = DO (0.004-20mg/L or 0-200%) single output, CPVC body, 30' cable, 7 pin, 1" CPVC tee, 75 psi max
772TP = DO w/ pressure compensation (0.004-20mG/L or 0-200%) & temp (2 outputs*), 30' cable, 8 pin, CPVC body and tee, 120 psi

NOTE: Both the 772/773 series provide temperature compensated measurements. However, only the 772-series has pressure compensation and the ability to display the temperature reading.

Wiring

- 1** = Standard 50" quick release cable with stripped ends
2 = 50" quick release cable with one mA pre-wired to separately order Advantage controller
3 = 50" quick release cable with two mA's pre-wired to separately order Advantage controller

NOTE: *Use wiring option 3 on dual output sensors if the temperature reading mA output is desired.

Pre-Fab

- X** = Probe and tee not installed
Y = Probe and tee pre-installed in controller or pre-fab plumbing**

NOTE: **Must have Advantage controller or pre-fab ordered as separate line item on same order

Specifications

Part Number	STA-772TP	STA-773	STA-773T
Sensor Body Material	CPVC/Titanium	CPVC / Polycarbonate	CPVC / Polycarbonate
Installation Method	By-Pass CPVC 1" Tee	Submerged	By-Pass CPVC 1" Tee
Accuracy	± 0.1mg / L or ± 1%	± 0.3mg / L or ± 3%	± 0.3mg / L or ± 3%
Rating	IP-67/IP-68	IP-67	IP-67
Temperature Output Range	32 – 122°F (0 – 50°C)	none	none
Working Pressure	145 PSI	75 PSI	75 PSI
DO Membrane Cap Life	2 years	1.5 years	1.5 years
Dimension (L x D)	296 x 33.6 mm	206 x 24.6 mm (8.11 x 0.97 inches)	
DO mA Output Range	0.004-20mg/L or 0-200% Saturation		
Response Time	<60 Seconds		
Operating Temperature	4°C – 40°C (40 – 104°F)		
Light Source	Blue Light Irradiated Emission / Red Light Quenching Excitation		
Sensor Power Supply	22 – 26 VDC, Power Consumption 2W		
Compliance	USEPA 40CFR Part 136.3 / ISO 17289:2014		
Regulation	CE Marked / RoHS		

Parts & Accessories

- A-53705 Floating mount kit for STA-773
A-53712 Replacement DO membrane for STA-772TP
A-53723 Replacement DO membrane for STA-773
A-50705 50' extension cable for 8 pin cable STA-772P
CABLE-7P-EXT25 25' extension for 7 pin cable STA-773
CABLE-7P-EXT50 50' extension for 7 pin cable STA-773
MA-WB Bluetooth programming box with 7-pin connectors for 500 and 773 sensors
MA-CR Bluetooth programming box with 8-pin connectors for 525, 588 and 772 sensors

Get the Advantage



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