STA 700 DO
Series Sensors

Dissolved Oxygen

Key Features

- Accurate Measurement

- Quick Release Tee

- Option Float Mount

- Solid State Design

- Simple 4-20mA Output

- Easy Connection to MegaTron Controllers

Application

These compact in-line sensors provide monitoring and dissolved oxygen in industrial water systems with single or dual 4-20mA outputs.

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, feed limit timer and daily max feed for proportional chemical concentration control. Add optional web communications for maximum customer satisfaction and performance.

Build a Model Number

STA - _____ - _____ _____

Optics
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 (0.004-20mG/L or 0-200%) & temp (2 outputs**),
30' cable, 8 pin, CPVC body and tee, 120 psi

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
** use wiring option 3 on dual output sensors if the second mA output is to be wired.

Pre-Fab
X = Probe and tee not installed

Y = Probe and tee pre-installed in controller or pre-fab plumbing (must have Advantage controller
or pre-fab ordered as separate line item on same order)

Specifications

Sensitivity:	<1 ppb typical	Warm Up Time:	5 seconds
Input Voltage:	22-26 VDC	Temperature:	0°-50°C
Signal Output:	4-20 mA	Mounting Tee:	¾" FNPT PVC

Parts &Accessories

A-53705	Floating mount kit for STA-733
A-53712	Replacement DO membrane for STA-772TP
A-53723	Replacement DO membrane for STA-733
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 730 sensors
MA-CR	Bluetooth programming box with 8-pin connectors for 525, 588 and 772 sensors

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9/2023

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