

STA 500 & 700 Series Sensors

PTSA Fluorescein Turbidity



Key Features

- Accurate In-Line Measurement
- Compact Design
- Quick Release Tee
- Solid State Design
- Simple 4-20mA Output
- Easy Connection to MegaTron Controllers

Application

These compact in-line sensors provide monitoring and control of fluorescent dyes and turbidity 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 Pyxis Model Number

STA - _____ - _____

Optics

- 500** = PTSA optics (0-300 ppb), CPVC, 100 psi
- 500SS** = PTSA optics (0-300 ppb), SS, 290 psi (no tee)
- 525** = Fluorescein optics (0-60 ppb), CPVC, 100 psi
- 525H** = Fluorescein optics (0-500 ppb), CPVC, 100 psi
- 525SS** = Fluorescein optics (0-60 ppb), SS, 290 psi (no tee)
- 587** = PTSA (0-300) and turbidity (0-200 NTU), 2 outputs**, CPVC, 100 psi
- 588** = PTSA and tagged polymer, 2 outputs**, CPVC, 100 psi
- 730** = Turbidity optics (0-100 NTU), CPVC, 100 psi
- 730B** = Turbidity optics (0-1000 NTU), CPVC, 100 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)
- U** = SS probe pre-installed with SS unions on either side

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

PYXIS-T-N-PLUG	Pyxis PVC tee and plug is separately ordered controller or prefab
PYXIS-T-ADAPT	Pyxis PVC sensor adaptor, 1.5" MNPT by sensor port opening
PYXIS-NUT	Pyxis PVC tee nut
PYXIS-PLUG	Pyxis PVC tee sensor port plug
MA-150	Pyxis PVC tee o-ring
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
SP-350	Handheld PTSA only tester
SP-380	Handheld PTSA, Fluorescein tester
SP-400	Handheld PTSA and Conductivity
SP-710	Handheld PTSA, pH, ORP, Cond, Temp, and Total Chlorine
SP-910	Handheld PTSA, Fluorescein and Colorimeter
PTSA-100-P	100 ppb PTSA test solution, 500 ml
PTSA-300-P	300 ppb PTSA test solution, 500 ml
PTSA-1010-P	100ppb PTSA and 1,000 µS/cm test solution, 500 ml
ST-SER-01	STA sensor cleaning kit and solution, 500 ml
FLUOR-50-P	50 ppb Fluorescein test solution, 500 ml
NTU-50-P	50 NTU test solution, 500 ml

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