

STA-500 & 700

Fluorometer or Turbidity by Pyxis

Trace Chemical Control



Key Features

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

Application

The Pyxis in-line fluorometer or turbidity is a compact sensor designed for monitoring and control of fluorescent dyes or turbidity in industrial water systems with a single 4-20 mA analog 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, 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 (0-300 ppb), CPVC, 100 psi
- 525SS** = Fluorescein optics (0-60 ppb), SS, 290 psi (no tee)
- 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
- 772TP** = DO (0.004-20 mg/l PPM) and temperature (2 outputs**), 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

Get the Advantage



4700 Harold-Abitz Dr
Muskogee, OK 74403
800-743-7431 Phone
888-686-6212 Fax
www.advantagecontrols.com