

## SP-300/400 Series Handheld Fluorometers

### Product Description

The Pyxis SP-300 & SP-400 series are highly advanced and simple to use handheld fluorometers specifically designed for the direct concentration measurement of wide variety of fluorescent substances measured in industrial water treatment. Designed for the industrial cooling, boiler and process water these uniquely designed fluorometers allow water samples to be directly filled into the sample cell. This differentiation eliminates the need for purchasing sample cuvettes for device use reducing the cost of use. The propriety internal algorithms of the Pyxis fluorometer platforms allow for the compensation of color and turbidity contamination resulting in dramatically improved measurement accuracy in real-world waters versus alternative devices on the market.

The SP-300 and SP-400 series fluorometers also offer an internal sample cell cleanliness diagnostics function for predictive cleaning maintenance. All Pyxis handheld devices are fully integrated with BlueTooth® 5.0 capability allowing for wireless access via the uPyxis APP for customized settings, configuration and firmware updates.

### Features

- i. Color & Turbidity Compensation to Eliminate Interference
- ii. Direct Correlation to Pyxis Inline Fluorometers
- iii. Turbidity Over-Range Alarm Feature for Samples with Excessive Turbidity
- iv. No Sample Cuvette Required!
- v. Large Color Screen with LOCK-IN Feature for Measurement Stabilization
- vi. Waterproof & Drop-Resistant Design
- vii. Integrated Sample Cell Cleanliness Diagnostics for Cleaning Frequency
- viii. Bluetooth® Enabled for Wireless Customization & Configuration
- ix. Customizable Display Output Value as ppm Product vs. ppb Tracer via uPyxis® app



Contact Us at [order@pyxis-lab.com](mailto:order@pyxis-lab.com) for More Information...

## Product Selection Table

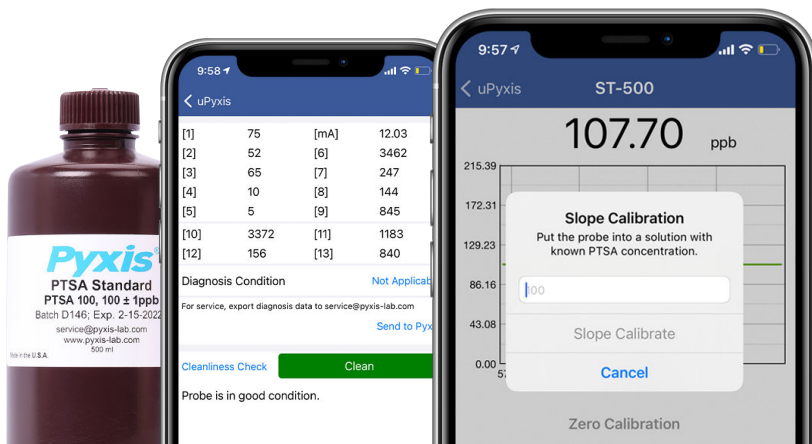
Item	P/N	Target Fluorophore + Range	Applications
SP-350	50206	PTSA (0–300ppb)	Cooling & Process Water
SP-350RO	61389	PTSA (0–40ppb)	Reverse Osmosis Feedwater
SP-380	50208	PTSA (0–300ppb) + Fluorescein (0–600ppb)	Cooling, Process & Boiler Water
SP-395	50209	Halogenated Azole (0–7.5ppm)	Halogen Stable Azole
SP-395T	50221	TTA (0–10.0ppm)	Tolytriazole
SP-395N	50226	NDSA (0–100ppb)	Research & Boiler Water
SP-400	50201	PTSA (0–300ppb) + Conductivity (0–15,000µS/cm)	Cooling & Process Water

## Common Specifications

Item	Specifications
Battery	9V Alkaline Battery
Typical Battery Life	3,200 Readings (480mAh Battery)
Display	TFT-LCD, Visible Under Direct Sunlight
Dimensions	160 L x 74W x 33 H (mm)
Weight	295g without Battery
Sample Temp. Range	40–150 °F (4–41 °C)
Measurement Cycle	15–999min (Adjustable)
Humidity	85% at 106 °F (4–41 °C)
Environmental	IP67, Dustproof & Waterproof
Regulation	CE/RoHS
Communication	Bluetooth® 5.0

## Cleaning & Calibration

The uPyxis APP manages all Pyxis portable meter and inline sensors on mobile and desktop devices, including Apple iPhones and Samsung Android smartphones. Users may utilize the uPyxis APP to customize product name display, download custom measurement curves, and update firmware to the SP-300/400 Series and all other Pyxis handheld devices. Each Pyxis handheld device is integrated with Bluetooth 5.0 and can dialog directly with uPyxis Mobile or PC devices for this purpose. \*Note\* The uPyxis Mobile APP is evolving rapidly and users can find the latest version at no cost on Apple iStore or Google Play. Contact [service@pyxis-lab.com](mailto:service@pyxis-lab.com) for Support...



## Order Information

SP-350 PTSA	50206
SP-350RO PTSA	61389
SP-380 PTSA + Fluorescein	50208
SP-395 HST	50209
SP-395T TTA	50221
SP-400 PTSA + Conductivity	50201

## Part Number

## Handheld Accessories

Handheld Cleaning Kit	SER-02
PTSA-1010 (100ppb PTSA + 1000 $\mu$ S/cm Conductivity)	PTSA-1010
PTSA-100 (100ppb PTSA)	PTSA-100
PTSA-30 (30ppb PTSA)	PTSA-30
FLUOR-50 (50ppb Fluorescein)	FLUOR-50
FLUOR-250 (250ppb Fluorescein)	FLUOR-250
FLUOR-500 (500ppb Fluorescein)	FLUOR-500
HST-01 (1ppm Halogen Stable Triazole)	20131
HST-02 (2ppm Halogen Stable Triazole)	20132
TTA-01 (1ppm Tolytriazole)	57015
TTA-02 (2ppm Tolytriazole)	57016