

SP-300 and SP-400 Series Fluorometers

Pyxis SP-300 & SP-400 series fluorometers measure the concentration of a fluorescent substance in a liquid sample. These fluorometers have a built-in sample cell and samples can be directly filled into the sample cell eliminating the need for purchasing/using sample cuvette's. SP-380 and SP-400 are dual channel fluorometers. SP-380 measures PTSA and fluorescein. SP-400 measures PTSA (1,3,6,8-pyrenetetrasulfonic acid) and conductivity with patent pending technology to combine cutting edge optical measurement with electrochemical measurement in the same sample cell.



Major features of these fluorometers include:

- Extra color and turbidity parameters measured are used for automatic compensation to eliminate interference.
- No sample cuvette required eliminates variations associated use of cuvette
- Large color graphic screen that can be read in direct sunlight.
- Water-Proof & Drop-Proof design
- Pyxis Handheld Cleaning Solution Kit (SER-02) used monthly for sample cell cleaning rapidly removes deposits to ensure optimum accuracy.

Product Selection Table

Handheld Model	P/N	Target Fluorophore and Range	Applications
SP-350	50206	PTSA (0-300 ppb)	Cooling tower fluorescence tracing, environmental monitoring
SP-360	50207	Fluorescein (0-600 ppb)	Boiler Fluorescence Tracing
SP-380	50208	PTSA (0-300 ppb) Fluorescein (0-600 ppb)	Cooling tower and boiler fluorescence tracing, environmental monitoring
SP-395	50209	Halogenated Azoles (0-7.5 ppm)	UV Absorbance Measurement for Halogen Stable Azole as ppm
SP-395T	50221	TolyTriazole (0-10 ppm)	UV Absorbance Measurement for TolyTriaAzole as ppm
SP-395N	50226	NDSA (0-100 ppb)	Boiler Fluorescence Tracing
SP-400	50211	PTSA (0-300 ppb), Conductivity (0-15000 μ S/cm)	Cooling tower fluorescence tracing, environmental monitoring

Common Specifications

Items	Specification
Battery	9V alkaline battery
Typical Battery Life	3,200 readings (480mAh battery)
Display	TFT-LCD, visible under direct sunshine
Dimension	L 160 W74 H33 (mm)
Weight	295g without battery
Temperature Range	40~106 °F (4 ~41°C)
Measurement cycle	15-999 min (adjustable)
Humidity	85% at 106°F (41°C)
Environmental	IP67, dustproof and water proof
Regulation	CE



Pyxis Handheld Device Cleaning Kit – P/N : SER02

- Sufficient Cleaner for 50x Cleanings
- Pour In & Soak
- Gently Scrub with Brush & QTips Provided
- Flush with DI or Clean Water
- Maintains Optimal Sample Cell Cleanliness

Order Information

Model: SP-350 Handheld Fluorometer – 0-300ppb PTSA

P/N: 50206

Model: SP-360 Handheld Fluorometer - 0-600 ppb Fluorescein

P/N: 50207

Model: SP-380 Handheld Dual Fluorometer - PTSA and Fluorescein

P/N: 50208

Model: SP-395T Handheld Dual Fluorometer – 0-10ppm TTA

P/N: 50221

Model: SP-400 Dual Meter – PTSA and Conductivity

P/N: 50201

Related Products

Pyxis Handheld Fluorometer Cleaning Solution Kit

SER-02

100ppb PTSA+ 1,000uS/cm

PTSA-1010

50 ppb PTSA standard, 500ml

PTSA-50

100 ppb PTSA standard, 500ml

PTSA-100

10 ppb fluorescein standard, 500 ml

FLUO-10

20 ppb fluorescein standard, 500 ml

FLUO-20

100 ppb PTSA + 10 ppb fluorescein standard

PTSA-100FL