

SP-300 and SP-400 Series Fluorometers

Pyxis SP-300 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. SP-380, SP-395, and SP-400 are dual channel fluorometers. SP-380 measures PTSA and fluorescein. SP-395 measures halogenated azoles and naphthenic disulfonic acid (NDSA).

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 is needed and variations associated with the cuvette is eliminated.
- Large color graphic screen that can be read in direct sunlight.



Product Selection Table

Module	Excitation / Emission Wavelength (nm)	Target fluorophore and range	Applications
SP-350	365 / 410	PTSA (0-300 ppb)	Cooling tower fluorescence tracing, environmental monitoring
SP-360	470 / 520	Fluorescein (0-600 ppb)	Boiler fluorescence tracing
SP-380	365 / 410 470 / 520	PTSA (0-300 ppb) fluorescein (0-600 ppb)	Cooling tower and boiler fluorescence tracing, environmental monitoring
SP-395	280 / 365	Halogenated azoles (0-5 ppm), NDSA (0-100 ppb)	Cooling tower fluorescence tracing, environmental monitoring
SP-400	365 / 410	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

*Due to continuous improvement of our products, specifications are subject to change without notice.

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

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

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