

# SP-350P and SP-380P

## Handheld Fluorescent Polymer Fluorometers

### Product Description

Pyxis SP-350P and SP-380P are simple to use handheld fluorometers offering direct measurement of fluorescent polymers used in cooling and process water applications. These devices have a built-in sample cell allowing samples to be directly filled in, eliminating the need for purchasing and using sample cuvettes. The SP-350P is a single channel fluorometer which measures fluorescent polymer only (0-20ppm) while the SP-380P is a dual channel fluorometer which measures both PTSA (0-300ppb) and fluorescent polymer (0-20ppm). This patent pending technology combines cutting edge optical measurement of both fluorescent tracers commonly used in cooling and process water applications in one easy to use platform while compensating for color and turbidity interference commonly present in real-world waters.


**SP-350P**

### Features

- Measures and automatically compensates for color & turbidity interference
- Built In Sample Vial Cleanliness Check Diagnostics
- No sample cuvette required and eliminates variations associated use of cuvette
- Large color graphic screen that can be read in direct sunlight
- Pyxis LOCK-IN feature provides sample lock when stabilized
- Water-proof and drop-resistant design
- No Sample Lid Design eliminates shielding from ambient light
- Bluetooth Wireless Calibration of Pyxis Sensors
- Easily cleaned sample vial with Pyxis Handheld Cleaning Solution Kit (SER-02)


**SP-380P**

### Order Information

SP-350P Handheld Fluorometer (*Fluorescent Polymer 0-20ppm*)

SP-380P Dual Handheld Fluorometer (*PTSA 0-300ppb / Fluorescent Polymer 0-20ppm*)

**P/N**

50228

50402

### Specifications

Item	SP-350P	SP-380P
P/N	50228	50402
Measurement Range	0.1 to 20 ppm Polymer	0 – 300ppb PTSA 0.1 – 20 ppm Polymer
Excitation Wavelength	410 nm LED	365nm & 410 nm LED
Emission Wavelength	470 nm	410 nm & 450 nm
Wavelength Accuracy	±1 nm	±1 nm
Precision	0.1 ppm Polymer	1.0ppb PTSA 0.1ppm Polymer
Accuracy	±1% or ±1.0 ppm	±1% or ±1.0 ppb PTSA ±1% or ±1.0 ppm Polymer
Calibration Solution Point	0 / 10 / 20 ppm Polymer	0 / 100 / 200 / 300ppb PTSA 0 / 10 / 20ppm Polymer
Battery	4 AA alkaline batteries for main module	
Typical Battery Life	3200 readings (480mAh battery)	
Display	320x240 TFT-LCD, visible under direct sunlight	
Dimension	L170.W80.H45 (mm)	
Weight	400g (without battery)	
Temperature Range	40 to 106 °F (4 to 41 °C)	
Humidity	85% at 106 °F (41 °C)	
Environmental	IP67, dustproof and waterproof	
Regulation	CE / RoHS	

*\*The fluorescent polymer concentration scale is based on the polymer containing 0.25 mole % fluorescent monomer.*

### Optional Accessories

Item	P/N	Specification
Pyxis Handheld Cleaning Kit	SER-02	Pyxis Handheld Sample Well Cleaning Solution Kit – 500mL
PTAG-1010	21055	Fluorescent Polymer 10ppm PTSA 100ppb Combined Cal. Std – 500mL
TAG-10	21054	Fluorescent Polymer 10ppm Calibration Std – 500mL
TAG-20	21053	Fluorescent Polymer 20ppm Calibration Std – 500mL
PTSA-100	21001	PTSA – 100ppb Calibration Std – 500mL
MA-700	50725	Pyxis Handheld Hard Carry Case

