SP-350P/380P Series Handheld Fluorescent Polymer Fluorometers

Product Description

The 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.

Features

i.   Measures & Automatically Compensates for Color & Turbidity

ii.   Built-In Sample Cell Cleanliness Check Diagnostics

iii. No Sample Cuvette Required!

iv.   Large Color Screen with LOCK-IN Feature for Measurement Stabilization

v.   Waterproof & Drop-Resistant Design

vi.   No Sample Cell Lid Eliminates Shielding from Ambient Light

vii. Bluetooth® Enabled for Wireless Customization & Configuration

viii. Easily Cleaned Sample Cell using Handheld Cleaning Kit (SER-02)

Order Information	Part Number
SP-350P Fluorescent Polymer	50228
SP-380P PTSA + Fluorescent Polymer	50402
Handheld Cleaning Kit	SER-02
PTAG1010 PTSA + Fluorescent Polymer Standard	21055
TAG10 10ppm Fluorescent Polymer Standard	21054
TAG20 20ppm Fluorescent Polymer Standard	21053
PTSA100 100ppb PTSA Standard	21001

Specifications

Item	SP-350P	SP-380P
P/N	50228	50402
Measurement Range	0.1–20ppm Tagged Polymer	0.1–20ppm Polymer + 0–300ppb PTSA
Excitation Wavelength	410nm LED	365nm & 410nm LED
Emission Wavelength	470nm	410nm + 450nm
Wavelength Accuracy	±1nm	±1nm
Precision	0.1ppm Polymer	0.1ppm Polymer + 1.0ppb PTSA
Accuracy	±1% or ±0.1ppm	±1% or ±0.1ppm / ±1% or ±0.1ppb
Cal. Solution Point	0/10/20ppm Polymer	0/10/20ppm + 0/100/200/300ppb
Battery	(4) AA Alkaline Batteries	
Typical Battery Life	3200 Readings (480mAh Battery)	
Display	320x240 TFT-LCD, Visible Under Direct Sunlight	
Dimension	170L x 80W x 45H (mm)	
Weight	400g (Without Battery)	
Temperature Range	40–106 ºF (4–41 ºC)	
Humidity	85% at 106 ºF (41 ºC)	
Environmental	IP67, Dustproof & Waterproof	
Regulation	CE/RoHS	

Contact Us at *order@pyxis-lab.com* for More Information...