

SP-505 Multi-Parameter Colorimeter + Turbidimeter

Product Description

The SP-505 is a unique handheld multimeter specifically designed to provide added value and ease of use to the Industrial, Environmental, Commercial and Municipal Water markets. This military grade device can measure up to 5 key water parameters and also offers colorimetric Free & Total DPD Chlorine.

The SP-505 is waterproof and drop-resistant. The fully molded screen ensures an IP-67 rating and water-tight seal and is produced under a pressurized manufacturing environment. The device itself also contains an integrated humidity sensor to ensure a water-free electronic environment with on-screen alarm notification.

The simplicity of the one-handed operation is powered by Pyxis Lab's proprietary technology combining electrochemical and optical measurements in a cuvette-less platform. The SP-505 platform offers Bluetooth 5.0® communication between the pH/ORP module and base unit eliminating the risks of unit damage commonly associated.

The SP-505 with other market leading multi-meters during pH/ORP module change out. The integrated wireless capability of the SP-505 also enables data log upload via the uPyxis Mobile or Desktop APP's.



Features

- Breakthrough Multiparameter **Colorimeter/Turbidimeter Technology** in One Rugged Design
- pH/ORP/Conductivity/Temp/Turbidity (ISO-7027)/Free & Total DPD Chlorine
- Uses traditional DPD Free & Total powder pillows (**Pyxis or Conventional Supplier**)
- Waterproof Bluetooth® enabled 3.7V battery powered pH/ORP Module
- Requires **NO Disassembly in the Field** for pH/ORP Module Replacement
- Intelligent Sensor Aging & Humidity Detection Capability
- Integrated **Sample Cell Cleanliness Diagnostics** for Predictive Cleaning/Maintenance
- 8G Historical Data with a Calendar Time Mark
- Wireless Data upload via uPyxis APP for Mobile or desktop devices
- Long Battery Life - 10,000+ Readings
- Color Screen with Parameter **LOCK-IN Function after Sample Stabilization**

Specifications

Item	SP-505 Colorimeter + Turbidimeter
P/N	50355
Conductivity	1~15,000 μ S/cm with ATC; \pm 1% or \pm 1 μ S/cm Precision
pH	0–14 with ATC; \pm 0.01pH Unit Precision
ORP	\pm 1,500mV; \pm 1mV
Temperature	0–70 °C (32–160 °F); \pm 0.1 °C (\pm 0.18 °F)
Turbidity	0–100NTU; \pm 0.1NTU
Free & Total Chlorine	DPD Wet Chemistry; 0.00–10.00ppm, \pm 0.01ppm
Storage Temperature	-20–60 °C (-4–140 °F)
Operational Temp.	0–40 °C (32–104 °F)
Sensor Module	pH/ORP, Replaceable; Bluetooth® 5.0; Replaceable Battery 3.7V
Typical Sensor Life	pH/ORP - 18 Months (Replaceable Module); Conductivity/Turbidity/Chlorine - 5 Years
Protection Grade	IP67, Fully Dust & Waterproof
Regulation	CE/RoHS/UKCA
Display	Color LCD, Visible Under Direct Sunlight
Power Supply - Main	(4) AA Alkaline Batteries
Typical Battery Life	10,000 Readings
Data Storage/Transfer	8GB Data Storage with Timestamp Bluetooth® Upload via uPyxis APP
Dimension (LxWxH)	208 x 80 x 45 mm (8.19 x 3.15 x 1.77 in)
Weight	520g (1.15lbs) without Batteries

**with Pyxis' continuous improvement policy, this specification is subject to change without notice.*

Sensor Cleaning & Calibration

The uPyxis 2.0 APP manages all Pyxis portable meter and inline sensors on mobile and desktop devices, including Apple iPhones and Samsung Android smartphones. When wirelessly connected to Pyxis handheld devices the uPyxis APP enables users to conduct a customized display settings, data-log upload and firmware upgrades.

NOTE

The uPyxis is evolving rapidly and users can find the latest version at no cost on Apple iStore or Google Play. The uPyxis Desktop APP may be downloaded at www.pyxis-lab.com/upyxis-app

Contact service@pyxis-lab.com for support...

Order Information

Part Number

SP-505 Colorimeter + Turbidimeter	50355
Replacement Bluetooth® pH/ORP Module	50315
Pyxis DPD Free Chlorine Powder Pillows	31002
Pyxis DPD Total Chlorine Powder Pillows	31014
1ppm DPD Chlorine Secondary Standard	21039
2ppm DPD Chlorine Secondary Standard	21040
pH 4/7/10 Combo Standard Kit	57007
Conductivity Standard Solution	57008
ORP Standard Solution	57020
Turbidity Standard Solution 10NTU	57009
Turbidity Standard Solution 100NTU	57010
pH/ORP Storage Solution	63900