

SP-600

Multi-Meter + Chlorine Colorimeter

Description

The Pyxis SP-600 is a unique handheld multimeter specifically designed to provide added value and ease of use to the Industrial, Environmental, Commercial and Municipal Water market users. This military grade device is capable of measuring up to 5 key water parameters and also offers colorimetric Free & Total DPD Chlorine.

The SP-600 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-600 platform offers Bluetooth 5.0® communication between the pH/ORP module and base unit eliminating the risks of unit damage commonly associated with other market leading multi-meters during pH/ORP module change out. The integrated wireless capability of the SP-600 also enables data log upload via the uPyxis Mobile or Desktop APP's.

Testing Capability

- Conductivity
- TDS
- Resistivity
- pH
- ORP
- Temperature
- Free DPD Chlorine
- Total DPD Chlorine



SP-600


 SP-600 Wireless
pH/ORP Module

Typical Applications

- Breakthrough multi-meter/colorimeter technology in a single rugged one-handed meter
- pH/ORP/Conductivity/TDS/Resistivity/Temp/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 and humidity detection capability
- 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-600
P/N	50353
Conductivity	1 ~ 200,000 $\mu\text{S}/\text{cm}$ with ATC. $\pm 1\%$ or $\pm 0.2\mu\text{S}/\text{cm}$ precision
Total Dissolved Solids	$\mu\text{S}/\text{cm} \times 0.67$ Default Display Customizable via uPyxis APP
Resistivity	10 ~ 30 Megohm $\pm 1\%$
pH	0.00 ~ 14.00 with ATC $\pm 0.01\text{pH}$ Unit Precision
ORP	$\pm 1,500 \text{ mV} \pm 1\text{mV}$
Temperature	0 ~ 70°C (32~160°F) $\pm 0.1^\circ \text{C}$ ($\pm 0.18^\circ \text{F}$)
Free & Total Chlorine (DPD)	0.00 ~ 10.00 ppm $\pm 0.01\text{ppm}$
Storage Temperature	-20 °C ~ 60° C (-4~140°F)
Operational temperature	0° C ~ 40° C (32~104°F)
Sensor Module	pH/ORP, Replaceable, Bluetooth 5.0, Replaceable Battery 3.7V
Typical Sensor life	pH/ORP – 18 Months Conductivity - 5 years
Protection Grade	IP67, Fully Dust and Waterproof
Regulation	CE / RoHS
Display	Color LCD, visible under direct sunlight
Power Supply – Main Body	(4) AA Alkaline Batteries
Typical Battery Life	10,000 Readings
Data Storage & Transfer	8GB Data Storage w/Timestamp Bluetooth® Upload via uPyxis APP
Dimension (L x W x H)	208 x 80 x 45 mm (8.19 x 3.15 x 1.77 inches)
Weight	520 g (1.15 lbs) w/out batteries

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

uPyxis Mobile & Desktop APPS for Wireless Customization and Datalog Upload

The uPyxis 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 Mobile APP 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 <https://pyxis-lab.com/support-2/>



Ordering Information		P/N
SP-600 Multi-Meter/Colorimeter		50353
Replacement Bluetooth pH/ORP Module		50315
Pyxis Free DPD Chlorine Powder Pillow (x100 Pack)		31002
Pyxis Total DPD Chlorine Powder Pillow (x100 Pack)		31014
Pyxis 1ppm DPD Chlorine Secondary Standard Sol. (125mL)		21039
Pyxis 2ppm DPD Chlorine Secondary Standard Sol. (125mL)		21040
Related Products		P/N
pH 4-7-10 Combination Calibration Std Kit (500mL each)		57007
Conductivity Calibration Std 1,000uS/cm (500mL)		57008
ORP Calibration Std 200mV (500mL)		57020
Pyxis Handheld Device Sample Well Cleaner (500mL)		SER-02
10mL Sample Vial (for Chlorine Reagent Test Preparation)		MA-24
pH/ORP Storage Solution (70mL)		63900