



## SP-710/SP-710B Handheld Water Multimeter

### **Product Description**

The Pyxis SP-710 and SP-710B are handheld multimeter units capable of measuring up to 6 key water treatment parameters simultaneously. SP-710 offers pH, Conductivity, PTSA, Temperature, ORP and a Free/Total Chlorine Colorimeter uniquely designed as a multimeter for cooling water applications. The SP-710B offers pH, Conductivity, PTSA, Temperature, ORP and Fluorescein for boiler water applications. Both units offer a Bluetooth enabled and fully potted, battery powered pH/ORP module, eliminating water and KCl contamination to the unit processor. The new module design offers wireless communication to the base SP710/B unit and can also be viewed via the uPyxis APP for smartphone and/or our full scale SP-910 Colorimeter.

The SP710/B is fully waterproof and industrialized and available with an optional body carry case. Pyxis has integrated a fully molded screen to ensure a water proof seal under a pressurized manufacturing environment. The device itself also contains an integrated humidity sensor to ensure a water-free electronic environment.

The simplicity of the one-handed operation is empowered by the Pyxis Lab Inc. proprietary technology that combines electrochemical and optical measurements in a cuvette-less platform. This unique technology simultaneously measures and compensates for Color and Turbidity contamination of the water sample during fluorescence testing, ensuring precise measurement capability +/1ppb resolution, unmatched in the water treatment market.

In less than one minute, results for all key parameters for a typical traced cooling and boiler water treatment applications can be determined. The SP-710/B stores the history for all measurements which can then be transferred via Bluetooth to smartphones or computers for statistical analysis via the uPyxis APP. The SP-710/B can also be used to wirelessly diagnose and calibrate the Pyxis ST-500 and ST-525 inline PTSA/Fluorescein probes, dramatically reducing service time in the field associated with tracer probe calibration.

## Typical Applications

- *Traced Water Treatment for Industrial / Commercial Cooling Towers and Boilers.*

## Specifications

Item	SP-710	SP-710B
P/N	50352	50316
Fluorescein	N/A	0-600ppb; ±1% or 0.1 Precision
Free/Total Chlorine TMB	0-2.2ppm TMB Method Free/Total Chlorine	N/A
PTSA	0-300ppb; ±1ppb; ±1% Precision	
Conductivity	1-15,000µS/cm with ATC; ±1% or ±1uS/cm Precision	
pH	0-14 with ATC; ±0.01 pH Unit Precision	
ORP	±1,500mV; ±1mV Precision	
Temperature	0-70 °C (32~160°F); ±0.1°C(±0.18°F)	
Storage Temperature	-20 °C ~ 60° C (-4~140°F)	
Operating Temp.	0° C ~ 40° C (32~104°F)	
Sensor Module	pH/ORP Replaceable, Wireless, Potted Battery	
Typical Life	pH/ORP - 1 Year; PTSA/Conductivity - 5 Years	
Protection Grade	IP67; Fully Dustproof & Waterproof	
Regulation	CE, RoHS	
Display	Color LCD, Visible Under Direct Sunlight	
Power Supply	(4) AA Alkaline Batteries	
Typical Battery Life	10,000 Readings	
Dimensions	180mm (7.1in) Length, 80mm (3.1in) Width, 38.5mm (1.5in) Height	
Weight	380g (0.85lbs) without Batteries	

*Specifications are subject to change without notice.*

## Typical Applications

- *Breakthrough Technology combines Multi-Parameter Functionality into Single Robust Design*
- *Waterproof, Bluetooth® Enabled, Battery-Powered pH/ORP Module*
- *Record up to 8G Historical Data with options to Set Up Sample Location Information*
- *Long Battery Life - 10,000 Readings*
- *Auto-Compensation for Color & Turbidity Contamination = Precise Measurement*
- *Color Screen with Adjustable Brightness*
- *Parameter Lock-In Function for Stable Reading Verification*



***Order Information***

SP-710 Water Multimeter

***Part Number***

50352

SP-710B Water Multimeter

50316

***Optional Accessory Order Information***

pH/ORP Replacement Module

50315

TMB Free Chlorine Reagent

63901

TMB Total Chlorine Reagent

63902

TMB Chlorine Secondary Standard 1ppm

21038

PTSA-1010 Combined Standard PTSA-100 + Conductivity-1000

21004

FLUO-50 Fluorescein Calibration Standard 50ppb

FLUO-50

FLUO-250 Fluorescein Calibration Standard 250ppb

FLUO-250

FLUO-500 Fluorescein Calibration Standard 500ppb

FLUO-500

pH Combo Calibration Kit 4, 7, 10

57007

ORP 200mV Calibration Standard

57020

Pyxis Handheld Cleaning Kit

SER-02