

SP-700 / 700B Water Multimeter

The Pyxis SP-700/B is a handheld multimeter that measures up to 6 key water treatment parameters simultaneously: pH, conductivity, PTSA, fluorescein, ORP, and temperature. The simplicity of the one-handed operation is empowered by the Pyxis proprietary technology that combines electrochemical and optical measurements in a cuvette-less platform.

In less than a minute, results for all key parameters for a typical water treatment application, such as cooling tower analysis, can be determined. The SP-700 stores the history for all measurements which can then be transferred via Bluetooth to smartphones or computers for statistical analysis.



Custom product names and tracer/product ratios can be configured via Bluetooth-enabled devices.

The PTSA measurement uses custom signal processing algorithms to compensate for sample color and turbidity conditions that normally cause erroneous readings.

Typical Applications

Traced water treatment for industrial / commercial cooling towers and boilers.

Features

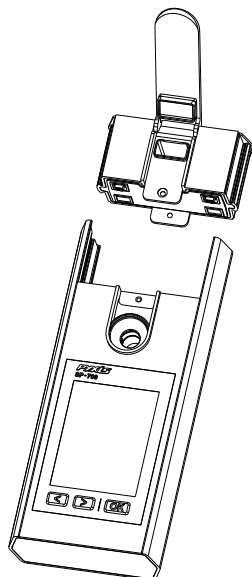
- Breakthrough technology combines PTSA / Fluorescein with Conductivity / pH and ORP in single rugged one-handed meter.
- Custom pH/ORP module design with extra-large junction capacity provides increased service life
- Intelligent sensor aging and/or pollution detection capability.
- Record up to 8G historical data with a calendar time mark and options to set up sample location information
- Easy replacement of the pH/ORP electrode module without opening the meter enclosure.
- Long battery life - 10,000+ readings
- Self-diagnosis during calibration

Specifications

Item		SP-700	SP-700B
Analysis	PTSA	0~300ppb, ±1ppb or 1% precision	0~300ppb, ±1ppb or 1% precision
	Fluorescein	N/A	0~600 ppb, ±1% or 0.1ppb precision, whichever is greater
	Conductivity	1~15,000 uS/cm with ATC. ±1% or ±1uS/cm precision	
	pH	0~14 with ATC, ±0.01 pH unit precision	
	ORP	±1500mV, ±1mV precision	
	Temperature	0~70°C (32~160°F) ±0.1°C(±0.18°F)	
Storage temperature		-20 °C ~ 60° C (-4~140°F)	
Operational temperature		0° C ~ 40° C (32~104°F)	
Sensor module		pH/ORP, replaceable	
Typical sensor life		pH/ORP - 2 years PTSA/Conductivity - 5 years	
Protection grade		IP65, full dust and water proof	
Regulation		CE	
Display		Color LCD, visible under direct sunlight	
Power supply		(4) AA alkaline batteries	
Typical battery life		10,000 readings	
Dimension (L x W x H)		180 x 80 x 38.5mm (7.1 x 3.1 x 1.5 inches)	
Weight		380 g (0.85 lbs) batteries excluded	

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

Sensor Replacement Illustration



Order Information

	P/N
SP-700 Water Multimeter (PTSA/pH/ORP/Conductivity)	50301
SP-700B Water Multimeter (PTSA/Fluorescein/pH/ORP/Conductivity)	50302
SP-700 Sensor Module	50303

Related Products

SP-400 Dual Meter	50201
SP-350 Handheld Fluorometer	50206
10ppb PTSA+ 1,000uS/cm	PTSA-1010
50 ppb PTSA standard, 500ml	PTSA-50
100 ppb PTSA standard, 500ml	PTSA-100
10 ppb fluorescein standard, 500 ml	FLUO-10
20 ppb fluorescein standard, 500 ml	FLUO-20
100 ppb PTSA + 10 ppb fluorescein standard	PTSA-100FL

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