

# exact<sup>®</sup> pH+

**DIGITAL ACCURACY WITH EZ PH PROCEDURE**



## **SMART DIGITAL WATER TESTING<sup>®</sup>**

**SMART GUIDE**

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**YOUR NEW EXACT PH+ IS IDEAL FOR TESTING AND MAINTAINING YOUR DRINKING WATER, POOLS, SPAS, PONDS, AQUARIUMS, FOOD PROCESS WATER, ENVIRONMENTAL WATERS, BREWING, AND MORE!**

**BATTERY COVER WITH CLIP**

Black o-ring around perimeter protects the battery compartment from water damage

**MENU BUTTON**

Cycles through available tests. Hold to toggle Bluetooth on/off.

**LCD SCREEN**

Displays results and test type

**ON/READ BUTTON**

Turns on/off meter, on/off blue backlight, exits calibration mode and is used for parameters setting (see page 8).

**CALIBRATION BUTTON**

Performs calibration and navigates parameter settings

**PROBE**

Install/replace probe here

**PROBE/STORAGE CAP**

Protects and keeps the sensors wet while not in use.

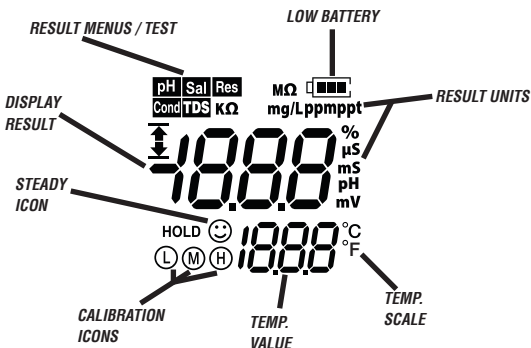
**PROBE COLLAR**

Holds the probe in place. Unscrews to allow probe replacement.



**waterproof IP67**

Protected against the effects of immersion in water to depth of 1m.



## EXACT® PH+ TEST SPECIFICATIONS

PARAMETER / TEST	RANGE	RESOLUTION	ACCURACY	CALIB POINTS
Conductivity	0 - 200.0 $\mu$ S	0.1 $\mu$ S	±1%	1 to 3
	0 - 2000 $\mu$ S	1 $\mu$ S		
	0 - 20.0 mS	0.1 mS		
ORP	±1000 mV	1 mV	±0.2%	N/A
pH	0.00 - 14.00 pH	0.01 pH	±0.01 pH	1 to 3
Salinity	0 - 10.00 ppt (g/L)	N/A	N/A	N/A
TDS	0.1 ppm - 10.00 ppt	TDS Factor 0.40 - 1.00	N/A	N/A
Temperature	32 - 122 °F 0 - 50 °C	0.1 °C	±0.9 °F ±0.5 °C	N/A

Our pH electrode consists of a pH glass/membrane and internal reference (combination pH electrode), which can generate a millivolt voltage potential. The pH glass bulb forms a hydrated layer in any water sample and responds to hydrogen ions ( $H^+$ ). As the Sodium ions ( $Na^+$ ) of the glass are displaced by hydrogen ions ( $H^+$ ), the mv potential change is measured by the eXact® pH+ Meter. The displacement/exchange of  $Na^+$  and  $H^+$  on the pH glass bulb is determined by the acidity/alkalinity of the water. Acidic means many hydrogen ions ( $H^+$ ). Alkali means less hydrogen ions. The liquid inside the pH glass bulb is a proprietary buffer solution that produces the mv potential. This mv value is a very predictable current in our eXact® pH+ Meter. After calibration with pH 7.00 and pH 4.00 Standards, your pH measurements become reliably accurate.

for up-to-date product information.



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**Industrial Test Systems, Inc.**

Innovators of Water Quality Testing