# Pyxis

# MEASURE MORE WITH LESS.

#### Inline & Handheld Analytical Devices for Water Treatment

Fluorescent Tracers & Polymers, Industrial & Drinking Water Turbidity, pH, ORP, Conductivity, Resistivity, TDS, Temperature, Free & Total Chlorine, Fluorescein, Dissolved Oxygen, LPR Corrosion, Liquid Level, Colorimetric Parameters, Bleach Concentration, Algae, Azole, BRIX, Galycol, Refractive Index Value & so much more.

# ABOUT PYXIS LAB®

- Our products are designed specifically for the use of monitoring key parameters in the Water Treatment Industry.
- Designed by an experienced team of former Water Treatment professionals.
- Offer Pyxis Lab<sup>®</sup> proprietary Self-Cleanliness Diagnostics, Color & Turbidity Compensation.



Deployed in >100 Countries

**15,000+** Global Fluorometer Install Base



Rapid Development of New Products

# FOUNDED IN 2013

- LAFAYETTE, COLORADO, USA
   Global HQ & Production
- BARCELONA, SPAIN
   Regional Office EMEA
- SHANGHAI, CHINA
   Regional Office/R&D APAC
- CHANGZHOU, CHINA
   Regional Office & Production APAC



# ABOUT OUR TEAM



**CAIBIN XIAO** Chief Executive Officer 30 Years of Industry Experience



MATT MAUCH VP Operations 20 Years of Industry Experience



JEFF DEAK VP Global Sales & Product Mg. 24 Years of Industry Experience



**GENE DONACHIE** VP New Business Development 30 Years of Industry Experience



**DIANA CRUZ** EMEA Sales Director 10 Years of Industry Experience







- Pyxis Lab<sup>®</sup> offers High Quality & Cutting-Edge technology and instrumentation, enabling you to apply water treatment products more accurately & effectively than ever before.
- Inline Smart Sensors
- Bluetooth<sup>®</sup> Ready Handheld Devices
- Accessories & Maintenance
- Fluorescent Tracing Chemicals

www.pyxis-lab.com/shop

# COMPETITIVE Advantage

#### **SMART SENSORS**

 ONLY sensors in the market with Integrated Proprietary Compensation Algorithms for Color & Turbidity, allowing more accurate readings.

#### EASY INSTALL

- Sensors connect directly to **ANY Controller, PLC or DCS**.
- Sensors can be installed in panel or submerged.
- Digital sensors can be wired on multi-drop array.

#### **ROBUST, LONG-LASTING INSTRUMENTATION**

 Cutting-edge instrumentation with a robustness for wider ranges, lower detection limits & longer life span.





# UPYXIS® APP



0

Wireless Monitoring with Live Data Trends

Configure Your Device to Fit Your System



Diagnose Fouling & Sensor Damage



Calibrate ANY Pyxis Lab® Sensor Wirelessly



#### SIMPLE MAINTENANCE With the uPyxis<sup>®</sup> Mobile & Desktop App

<sup>1</sup>Connect the sensor to uPyxis<sup>®</sup> app via Smart Phone or Desktop <sup>2</sup>Diagnose Cleanliness of the sensor via uPyxis<sup>®</sup>

<sup>3</sup>Use Pyxis Lab<sup>®</sup> Sensor Cleaning Kit & run diagnostics again

<sup>4</sup>Now calibrate the sensor using uPyxis<sup>®</sup>

<sup>5</sup>Back to business in 5 minutes time!

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🗸 uPyxis	٤	ST-500	
[1]	75	[mA]	12.03
[2]	52	[6]	3462
[3]	65	[7]	247
[4]	10	[8]	144
[5]	5	[9]	845
[10]	3372	[11]	1183
[12]	156	[13]	840
Diagnosis Condition			Not Applicable
For service, ex	port diagnosis	data to service@	∮pyxis-lab.com
			Send to Pyxis
Cleanliness Check		Clean	
Probe is in	good conc	lition.	



# **Power***Pack* Series

Bluetooth<sup>®</sup> Auxiliary Power Boxes

Provide additional **Power Budget & Wireless Communication** to your Pyxis Lab<sup>®</sup> Inline Sensors

- ✓ Built-In 24VDC Power Supply with 20-Watt Capacity
- ✓ Bluetooth<sup>®</sup> 5.0 Interface
- Wirelessly Pair to Connected Sensors for Real-Time Diagnosis, Calibration, Maintenance & Configuration.
- ✓ 100VAC to 240VAC Power Input
- ✓ 24VDC Power Supply in a Direct Plug-In Format

PowerPACK<sup>™</sup> 1 = 1x Sensor PowerPACK<sup>™</sup> 2 = 2x Sensors PowerPACK<sup>™</sup> 4 = 4x Sensors



### CLOUD<sup>LINK</sup>

#### Industrial 4G Gateway

- ✓ High Performance Hardware Platform
- ✓ Features ARM cortex-A8 CPU
- ✓ Up to 1G Hz & Up to 512MB Memory
- ✓ Bluetooth<sup>®</sup> 5.0 Technology
- ✓ Data ties into any Cloud-Base Data Software
- ✓ LTE Cat 4 Module Optimized for M2M & IoT Applications
- ✓ Major Carriers Supported (AT&T, Verizon & T-Mobile)
- ✓ Wi-Fi Connectivity
- ✓ Support IEEE 802.11 b/g/n Radio
- ✓ Bit rates up to 72.2Mbps (on-debugging)
- ✓ Intuitive Web Interface for System Commissioning & Configuration
- Rugged Design to Work in Industrial Environments

POWERCLOUD

#### **CLOUD**LINK Power Supply Box

- ✓ Plug & Play with 120V Power Cable
- ✓ (8) 4-20mA Inputs
- ✓ RS-485 Modbus Ready
- ✓ Nema 4X Enclosure Box



### **MA-SERIES Bluetooth® Adapters**

### MA-CR 8-PIN

Enables rapid Bluetooth® 5.0 connectivity for any Pyxis Lab® 8-Pin inline sensor for mobile monitoring, calibration, configuration, diagnostics & more.

Live Local Display
 Calibration & Diagnostics Hub
 uPyxis<sup>®</sup> Data Log Capabilities

### MA-WB 7-PIN

Enables rapid Bluetooth® 5.0 connectivity for any Pyxis Lab® 7-Pin inline sensor for mobile monitoring, calibration, configuration, diagnostics & more.

Live Local Display

- Calibration & Diagnostics Hub
- / uPyxis<sup>®</sup> Data Log Capabilities

### Pyxis INLINE SENSORS













NERGY RESOURCE RODUCTS

ST-500 Series Inline PTSA Sensors

**ST-500** PTSA *(O–200ppb)* **ST-500RO** PTSA for RO *(O–40ppb)* **ST-500SS** PTSA High Pressure *(O–200ppb)* 

- ✓ Compensates for Color & Turbidity
- ✓ 4–20mA & RS-485 Modbus Connection
- ✓ Wireless Cleanliness Diagnostics, Calibration & Scaling Adjustment





#### MAJOR INTERFERENCES With NTU & Color for the Traditional Fluorometer

- Cooling tower water is often colored and/or with variation in turbidity.
- Interference creates a FALSE LOW, which leads to OVERFEEDING CHEMICAL.
- Pyxis Lab<sup>®</sup> ST-500 offers Premium Optical Design & Advanced Proprietary Compensation Algorithms!





### TAGGED POLYMER SERIES Inline Fluorescent Polymer Sensors

#### COMPETE ON A WORLD CLASS LEVEL.

Our new line-up of proprietary technology offers cutting-edge optical measurement of fluorescent polymer. These easy-to-use inline sensors offer the ability to directly measure for Fluorescent (Tagged) Polymer for use in cooling and process water treatment chemistries.

ST-590 Fluorescent Polymer SensorST-588 Fluorescent Polymer + PTSA Sensor

✓ Compensates for Color & Turbidity

- ✓ 4–20mA & RS-485 Modbus Connection
- ✓ Wireless Cleanliness Diagnostics, & Calibration

# ST-525SS BOILER SENSOR

#### **ST-525SS** Fluorescein (O-60ppb)

- ✓ Compensates for Color & Turbidity
- ✓ 4–20mA & RS-485 Modbus Connection
- ✓ Wireless Cleanliness Diagnostics & Calibration
- ✓ 4–20mA Span Adjustment via uPyxis®
- ✓ 304 Stainless Steel Body
- ✓ Built to handle Boiler Feedwater





### ST-565T SENSOR

#### Inline Tri-Azole Detection

#### **ST-565T** Inline Tolytriazole (TTA) Sensor

- ✓ Real-Time Azole Detection
- ✓ NO REAGENTS
- ✓ 4–20mA & RS-485 Modbus Connection
- ✓ Wireless Calibration & Cleanliness Diagnostics via uPyxis<sup>®</sup>



### ST-600 SERIES

#### Inline Disinfection Sensors

ST-600 % Concentration of Bleach (0−16%)
ST-601 % ClO<sub>2</sub> (0−0.35%)
ST-604 % Concentration of Bleach (0−2%)

#### ✓ Temperature Output Compensation

- ✓ Real-Time Measurement
- ✓ Oxidizer Generation Systems
- Measure for Oxidizer Strength Accurately
- 🎸 4–20mA & RS-485 Modbus
  - Wireless Cleanliness Diagnosis & Calibration via uPyxis®
- ✓ 6 Month Calibration Cycle

### EM-500 ALGAE SENSOR

Inline Chlorophyll-a Sensor

#### **EM-500** Inline Chlorophyll-a Detection

- ✓ Measures Living Chlorophyll-a
- ✓ Ideal for Algae Dynamic Measurement of System
- ✓ Eliminates Color & Turbidity Interference
- ✓ For Alarming or Algaecide Dosing Automation

#### ✓ NO REAGENTS

- ✓ 4–20mA & RS-485 Modbus Connection
- ✓ Wireless Calibration & Cleanliness Diagnostics via uPyxis®





# HM-500 SERIES

#### Inline Oil-In-Water Sensors

Measures the Concentration of Multiple Oils in Water using LED sourced UV-Fluorescence Methodology.

HM-500 Oil In Water *(O-10ppm)* HM-510 Oil In Water *(O-1000ppm)* HM-520 Oil In Water *(O-100ppm)* 

#### ✓ Compensates for Color & Turbidity

- ✓ Easy to Clean Unique Design Short Fluidic Channel
- ✓ Easy to Calibrate using Secondary OIW Standard Solution
- ✓ Wireless Calibration & Cleanliness Diagnosis with uPyxis®
- ✓ 4−20mA & RS-485 Modbus Connection

#### ✓ Lower Cost & Higher Accuracy

 Ideal for Oil Tank/Heat Exchanger Leak Detection, Intake Water Monitoring (UF & RO Feedwater) Industrial Wastewater Monitoring, Plant Run Off / Storm Water Monitoring ST-710 SERIES

Inline pH & ORP Sensors

ST-710 pH Only ST-711 ORP Only ST-712 pH + ORP Dual Sensor

✓ 4–20mA & RS-485 Modbus Connection

✓ Very Long Sensor Life – 2 Years & 1 Year Warranty

- ✓ No Electrode to Swap
- ✓ Wireless Calibration with uPyxis<sup>®</sup>
- ✓ Enlarged Salt Bridge for Reduced Fouling
- ✓ 3−4x KCl Gel Content Over Conventional Sensors

✓ Ideal for Cooling Water & Wastewater Applications



### ST-720 SERIES

Inline High Range Conductivity Sensors

**ST-720** Inline Conductivity (1–100,000μS) **ST-726** Inline Conductivity (10–300,000μS)

- ✓ 4-Graphite Electrode Configuration = Less Fouling & Deposition
- ✓ Integrated Temperature Compensation
- ✓ 2x 4−20mA & RS-485 Modbus Connection
- Modbus Connection = Digital Advantage
- ✓ Long Sensor Life 2 Years + 1 Year Warranty
- ✓ Minimal Maintenance
- ✓ Wireless Calibration & Diagnostics with uPyxis®
- ✓ Large & Dynamic Range makes it ideal for use in Desalination, Cooling & Wastewater Applications





### CR SERIES

LPR Corrosion Rate Sensors

CR-200 3.6V Battery Powered, Bluetooth® ReadyCR-300 24V Power & 4–20mA, RS-485 OutputCR-301 High Temperature, High Pressure LPR

- ✓ 0.001−100+ MPY Detection Range
- Uses Industry Standard Electrodes
- ✓ General & Localized Corrosion
- ✓ Over 20+ Metallurgies Supported
- ✓ Controller Agnostic Connect to ANY





### ST-730 SERIES

Inline Turbidity Sensors

**ST-730** Turbidity *(1–100 NTU)*  **ST-730B** Turbidity *(0–1,000 NTU)*  **ST-730SS** Stainless Steel Turbidity *(0–100 NTU)*  **ST-731** Turbidity *(0–10 NTU)* **ST-735** Turbidity *(0–10,000 NTU)* 

4-20mA & RS-485 Modbus Connection
 Modbus Connection = Digital Advantage
 Long Sensor Life with Minimal Maintenance
 LED Light Source - White Light / 90° / InfraRed
 Wireless Calibration with uPyxis®
 Cooling, Surface & Wastewater Applications
 Resolution of 0.1 NTU



### LT-63X SERIES

Inline Turbidity Sensors

LT-630 Turbidity *(1–100 NTU)* LT-631 Turbidity*(0–500 NTU)* LT-632 Turbidity*(0–1,000NTU)* LT-635 Turbidity*(0–30g/L as TSS)* 

#### ✓ Coming Mid 2022

- ✓ Final Stages of Product Testing prior to Launch
  - Lower Price than Market Leaders
  - Easy/Rapid Installation & Start-Up
- ✓ Fully Integrated 4–20mA & RS-485 Outputs
- ✓ 24VDC Powered
- ✓ Self-Cleaning Wiper Design Programmable via uPyxis®
- ✓ Wireless Diagnostics, Calibration & Live Data via uPyxis®

#### LT-730 SERIES Inline Ultra-Low Turbidity Sensors

#### LT-736/B 0.001–1,000 NTU LT-737/B 0.001–5 NTU LT-739/B 0.001–40 NTU

- 0.001 NTU Resolution EPA/ISO Compliant
   White Light (LED) / InfraRed LED (860nm)
   Meets EPA & ISO Guidelines for Drinking Water
   4–20mA & RS-485 Modbus Connection
   Bluetooth® Wireless Calibration & Diagnostics
   Calibration Stability of <0.02 NTU</li>
   No Need to Calibrate for Up to 1 Year
- ✓ Drinking & Industrial Water Applications





### ST-765SS SERIES

Inline pH + Free Chlorine or Chlorine Dioxide Sensors

**ST-765SS-FCL** 0.00–5.00ppm *Free Chlorine* **ST-765SS-CLO** 0.00–5.00ppm *ClO*<sub>2</sub>

Real-Time pH +FCl (0-5ppm) or ClO<sub>2</sub> (0-5ppm) Detection
 Dual 4-20mA Outputs (FCl or ClO<sub>2</sub> or pH) and RS-485
 Bluetooth<sup>®</sup> Enabled when used with MA-CR Adapter

- Integrated RTD & pH Compensation to pH 9.0 of the Oxidizer Value
  - Replaceable EH-765 Reference Electrode Assembly Simple Maintenance

ST-77X SERIES

Inline Dissolved Oxygen Sensors ST-772 Stainless Steel *Submersible* ST-772P CPVC *Submersible* ST-772T Stainless Steel *Inline Installation* ST-772TP CPVC *Inline Installation* ST-773 CPVC *Submersible & Inline* 

- ✓ Built-In Temperature & Pressure Sensor with Automatic Compensation
- ✓ No Membrane or Electrolyte Replacement
- ✓ Simple DO Cartridge Replacement every 2 Years
- ✓ 4−20mA & RS-485 Modbus Connection
- Bluetooth<sup>®</sup> Wireless Calibration
- Slope Calibrate with Air or Air Saturated
   Water / Zero Calibrate with 5% Sulphite Solution or Nitrogen Gas
- ✓ VERY AFFORDABLE PRICE POINT





ST-774 SENSOR

Inline Ultra-Low Dissolved Oxygen Sensor

#### **ST-774** 0.1–2,000ppb

- ✓ Boiler Feedwater / Ultra-Pure Water
- ✓ Fluorescent Based Technology
- ✓ Works with ANY Controller
- ✓ Optional Panel Mount with Display
- ✓ Easy Cartridge Change Maintenance
- ✓ 4–20mA & RS-485 Modbus Connection
- ✓ Bluetooth<sup>®</sup> Wireless Calibration
- ✓ PRICED 50% LESS THAN HACH COUNTERPART

### ST-774 PortaPanel™

Pre-Mounted Dissolved Oxygen Sensor with Display

#### **ST-774** 0.1–2,000ppb

Portable Design for Ultra-Low DO Studies
 Pre-Mounted on easy-to-carry Stainless Steel Panel
 Includes UC-50 Display & Data Logging Terminal
 Fully Integrated Zero + Slope Calibration Interface
 4–20mA & RS-485 Modbus Connection





#### Refractive Index Value nD Mono-Ethylene Glycol %MEG Mono-Propylene Glycol %MPG Sugar Content %BRIX

- $\nabla$  One of a Kind Inline Sensor
- ∇ Eliminate Off Site Sampling/Testing
- $\nabla$  Local Concentration Display
- $\nabla$  4–20mA & RS-485 Modbus Output
- ∇ Bluetooth<sup>®</sup> for Wireless Setup & Calibration
- ▽ Tri-Clamp Flow Assembly for Easy Install
- ∇ 160°F Operating Temperature
- ∇ 140psig Operating Pressure
- ∇ 80,000 Data Point Log Storage





ST-72X SERIES

Inline Ultra-Low Conductivity Sensors

**ST-725** 0.02–200 μS/cm **ST-728** 0.02–10 μS/cm

- ✓ Temperature / RTD
- ✓ Automatic Temperature Compensation
- ✓ 32–140°F / 0–60°C Operation
- ✓ 300psig / 20Bar Pressure Capable
- ✓ 4–20mA & RS-485 Modbus Connection
- Modbus Connection = Digital Advantage
- ✓ Smart Sensor All Integrated in Sensor
- ✓ Wireless Configuration & Calibration via uPyxis<sup>®</sup>
- ✓ Ideal for Membrane & Ultra-Pure Applications

### Pyxis LEVEL SENSORS













ENERGY RESOURCE RODUCTS 34

### LS-200 LEVEL SENSOR

Ultrasonic Liquid Level Sensor

**LS-200** Ultrasonic *O*–*254cm* 

Accuracy = ±0.15% of Reading or 0.5mm

#### ✓ 6 Month Data Storage every 30 minutes

- ✓ 24VDC External Power & Smart Switch Capability
- ✓ Bluetooth® / 4–20mA / RS-485 Modbus
- ✓ Installation: 2.54cm MNPT Thread
- ✓ Temperature Range of -10°C 60°C
- ✓ Wireless Configuration via uPyxis® App
- $\checkmark$  Wire Directly to ANY Controller
- $\checkmark$  Not Affected by FOAM or Condensation
- ✓ Automatic Temperature Compensation





### LS-202 LEVEL SENSORS

Ultrasonic Liquid Level Sensor

**LS-202** Ultrasonic with Local Display *O*–200cm **LS-202EX** Explosion Proof Version *O*–200cm

- ✓ Accuracy = 0.15% of Reading or 0.5mm
- ✓ 1.3" OLED Local Display Screen

#### ✓ 6 Month Data Storage every 30 minutes

- ✓ 4 AA Batteries or 24V Wired
- ✓ Bluetooth<sup>®</sup> / 4−20mA / RS-485 Modbus
- ✓ Installation: 2.54cm MNPT Thread
- ✓ Temperature Range of -10°C 60°C
- ✓ Wireless Configuration via uPyxis® App
- ✓ Wire Directly to ANY Controller
- ✓ Not Affected by FOAM or Condensation
- ✓ Automatic Temperature Compensation

LSP-X01 SERIES

Pressure Transducer Level Sensors

LSP-101 316L Stainless Steel Transducer LSP-201 PVC Transducer LSP-301 PVDF Transducer

Accuracy = 0.15% of Reading or 0.5mm
 6 Month Data Storage every 30 minutes

- ✓ 4 AA Batteries or 24V Wired
- ✓ Bluetooth<sup>®</sup> / 4−20mA / RS-485 Modbus
- ✓ Installation: 2.54cm MNPT Thread
- ✓ Temperature Range of -10°C 60°C



LSP-X00 SERIES Pressure Transducer Level Sensors

LSP-100 316L Stainless Steel Transducer LSP-200 PVC Transducer LSP-300 PVDF Transducer

Accuracy = 0.15% of Reading or 0.5mm
 6 Month Data Storage every 30 minutes
 4 AA Batteries or 24V Wired
 Bluetooth® / 4–20mA / RS-485 Modbus
 Installation: 2.54cm MNPT Thread
 Temperature Range of -10°C – 60°C





### Pyxis Handheld Meters

Portable Fluorometers, Multimeters, Dual-Test Meters, Single-Test Meters, and Multi-Parameter Colorimeters. Pyxis Lab® offers handheld devices that measure for ALL the key water and process parameters for Industrial, Municipal & Environmental marketplaces.





SP-300/400 SERIES Single & Dual Test Handheld Meters

SP-350 PTSA *O-300ppb*SP-380 PTSA + Fluorescein
SP-395N NDSA
SP-400 PTSA + Conductivity *O-300ppb* 

Extremely Portable Handheld Measurement of Tracers

- ✓ Single Step Calibration with Liquid Standards
- Bluetooth<sup>®</sup> Enabled for Wireless Features via uPyxis<sup>®</sup>
- ✓ Compensates for Color & Turbidity
- ✓ NO CUVETTES
- ✓ IP67 Dust-Proof & Water-Proof



TAGGED POLYMER SERIES Single & Dual Test Handheld Meters

#### COMPETE ON A WORLD CLASS LEVEL.

Our new line-up of proprietary technology offers cutting-edge optical measurement of fluorescent polymer. These easy-to-use handhelds offer the ability to directly measure for Fluorescent (Tagged) Polymer for use in cooling and process water treatment chemistries.

SP-350P Fluorescent Polymer Sensor
SP-380P Fluorescent Polymer + PTSA Sensor

✓ Compensates for Color & Turbidity

- ✓ 4–20mA & RS-485 Modbus Connection
- ✓ Wireless Cleanliness Diagnostics, & Calibration

SP-395 SERIES

Handheld Triazole Meters

**SP-395** HRA/HST *O*–*7.5ppm* **SP-395T** TTA *O*–*10ppm* 

- ✓ Rapid Results
- ✓ Extreme Accuracy
- ✓ No Reagents Required!
- ✓ Tremendous Value in the Field!
- ✓ No Vial or Cuvette
- ✓ IP67 Dust-Proof & Water-Proof



# OXIPOCKET OXIPOCKET

**SP-200** Pocket Colorimeter for Oxidizers

Pyxis OXIPOCKET Method CLO2 H2O2 CL-F CLO2D CL-T CLO2H Br-T PAA CLO2 03 BleachL BleachH H2O2 NH2CL Long Press 'OK' to Exit Down OK

OK

- DPD Free & Total Chlorine
   DPD Total Bromine
   DPD Chlorine Dioxide
   Monochloramine
   Ammonia
   Hydrogen Peroxide
- Peroxyacetic Acid PAA
- Ozone
- ✓ Direct Read Bleach % Cl₂ Concentration
- ✓ Direct Read  $ClO_2$
- ✓ Water-Proof & Drop Resistant
- ✓ \$978 LIST PRICE

#### Uses HACH <sup>®</sup> -or- Pyxis Lab<sup>®</sup> Reagents

ALL-IN-ONE Reduces End Cost for User vs Multiple DR-300



### SP-600 MULTIMETER

Handheld Water Multimeter & Colorimeter

- ✓ pH & ORP
- ✓ Conductivity & TDS (0-200,000µS/cm)
- ✓ Resistivity (0-30 Megohm)
- ✓ Temperature (°C & °F)
- ✓ Free & Total Chlorine (DPD 0–10ppm)
- ✓ Waterproof & Drop Resistant
- Improved Color Screen Design
- Pressure Sealed / HI-Grade Plastic Molded Screen
- ✓ Wireless Bluetooth<sup>®</sup> pH + ORP Module
- Easy to Navigate Menu
- ✓ Very LOW PRICE
- ✓ Uses Pyxis Lab<sup>®</sup> or HACH<sup>®</sup> Reagents





### SP-710 MULTIMETER

Water Multimeter, Fluorometer & Colorimeter

- ✓ pH & ORP
- ✓ Conductivity (0-200,000µS/cm)
- ✓ Temperature (°C & °F)
- ✓ Free & Total Chlorine (TMB 0–2.2ppm)
- ✓ Waterproof & Drop Resistant
- Improved Color Screen Design
- ✓ Pressure Sealed / HI-Grade Plastic Molded Screen
- ✓ Wireless Bluetooth<sup>®</sup> pH + ORP Module
- Easy to Navigate Menu
- ✓ Wireless Calibration of Pyxis Lab<sup>®</sup> Sensors

### SP-800 HANDHELD

#### Multi-Parameter Colorimeter

- Complete Colorimeter + Turbidimeter
- ✓ All HACH<sup>®</sup> Plus Advanced Pyxis Lab<sup>®</sup> Methods >75 Tests
  - Hach® DR-900 Methods & Reagents Supported
  - 0.2–35ppm ClO<sub>2</sub> Direct Read
  - % Chlorine in Bleach Concentration Direct Read
  - True Turbidity (Opposed to Absorbance)
  - NON-HAZARDOUS ZINC TEST
- ✓ TARGETS MUNICIPAL & WASTEWATER
- ✓ LOWER PRICE POINT
- ✓ DISCOUNTS AVAILABLE TO PARTNERS
- ✓ Battery Life 6 Months PLUS
- ✓ Bluetooth<sup>®</sup> Integrated for Data & Updates
- ✓ Real-Time Graphical Readout





# SP-910 HANDHELD 3-in-1

Portable Water Analyzer

- ✓ **PTSA/Fluorescein PLUS Multi-Parameter Colorimeter**
- ✓ Battery Life 6 Months PLUS
- ✓ ELIMINATES NEED FOR ADDITIONAL FLUOROMETER
- ✓ Turbidity Accuracy Improved with 1 NTU Detection
- ✓ Bluetooth<sup>®</sup> Adapter Included
  - Available PC Software to Add/Edit the Product by the User
  - Calibrate a Nearby ST-500 Directly via Bluetooth®

#### ✓ Advanced Methods

- Hach<sup>®</sup> DR-900 Methods & Reagents Supported
- 0.2–35ppm ClO2 Direct Read
- % Chlorine in Bleach Direct Read
- True Turbidity (Opposed to Absorbance)

#### ✓ Planned Upgrade

- ✓ Upload Measured Results Directly to Smart Phone, PC or Other
- Account Manager & Customer Use!

Fluorometer

Colorimeter

Turbidimeter



- Select methods and forget "Program The Numbers". ☺
- Frequently Used Favorite Methods Displayed On Top.

- Icon Menu Driven Operation
- 5-way Keypad Control
- Almost No Manual Needed



- Real time kinetics display
- Predict reading during color development
- Stop and read anytime as you like
- Know over-range earlier







## HM-900 HANDHELD

#### Oil In Water Field Analyzer

- ✓ Direct Read UV Fluorescent Technology
- ✓ Hexane Extraction Method Technology
- Unique Pyxis Lab<sup>®</sup> Extraction Vial Method (Non-Toxic / Non-Flammable
- ✓ Pre-Programmed Calibration Curves
  - (Marine Crude Oil / #1 Diesel-Kerosene / Heavy Fuel Oil) option to create up to 7 Customized Calibration Curves for Specific Oil Desired
- ✓ Easy to Calibrate using Secondary OIW Standard
- ✓ Compensates for Color & Turbidity
- Suitable for Direct Read Dissolved/Emulsified Oil Methods without the Need for Extraction
- ✓ Targets Industrial, SWRO & WW Markets
- ✓ 30–50% LOWER PRICE THAN OTHERS!



### Pyxis Solutions & MAINTENANCE

Pyxis Lab® manufactures all necessary Calibration Standard Solutions, Powder Pillow Reagents and Electronic/Hardware accessories required for the use of on-going maintenance/calibration and precision accuracy of the Pyxis Lab® inline sensor and handheld product line.





### CALIBRATION STANDARDS

Pyxis Lab<sup>®</sup> Calibration Standards & Sample Vials

**PTSA** 30/50/100/200/300ppb Standard **PTSA** 1010 Combined = 100ppb + 1,000μS **FLUO** 10/20/50/250/500ppb Standard **HST & TTA** 1/2ppm Standard **pH** 4/7/10 Standard **ORP** 200mV Standard **CONDUCTIVITY** 1,000μS Standard **TURBIDITY** 30/50/100/200/300ppb Standard **SP-910 SAMPLE VIALS** 10mL/25mL

### CLEANING KITS Field Cleaning Kits for Sensors & Handhelds

#### **Field Cleaning Kit for Sensors Field Cleaning Kit for Handhelds**

- Combination Kits Available Including Wireless Adapter  $\checkmark$
- Includes Cleaning Solution
- Includes Instructions  $\checkmark$
- ✓ 10+ Sensor Cleanings
- Inorganic Deposit Cleaner  $\checkmark$
- Available on our E-Store  $\checkmark$



#### lu Check 10K TATION CATEGORY 2

ective gloves and eve/ face protector

ater for several minutes. Remove contact less on persists, get medical attention. water. If skin irritation occurs, get medical ater wash before rouse. Wash hands after handre

e.CO 80026 · service@pyxis-lab.com ·

TATION CATEGORY 2A

kin imitation occurs, get medical attents service/Boyxis-lab.com

Wash hands after handro

### VOLUCHECK

Pyxis Lab® PTSA Volume Verification Kit

#### **Field Kit for System Volume Verification**

- ✓ 3 Kit Sizes
- ✓ 1,000gal (1,000gal = 3,785.41 Litre)
- ✓ 10,000gal
- 100,000gal  $\checkmark$
- Easy to Use
- LOW COST  $\checkmark$
- Quick & Accurate Verification of System Volume

Volume (US Gallons) =

(Ounces Added x 792,600) / (PTSA Final – PTSA Background)

### PTSA CHEMICAL

Sourcing & Delivery

#### FDX-10 = 10% LIQUID PTSA

- ✓ 200kg Drum
- ✓ 1,000kg IBC
- Own Manufacturing Quality Assurance
- ✓ REACh Registered

#### FDX-98 = 98% POWDER PTSA

- ✓ 25kg Fiber Drum
- Own Manufacturing Quality Assurance
- ✓ REACh Registered
- ✓ 5-10 DAY DELIVERY



# PANEL SOLUTIONS

Pyxis Lab® offers a variety of preassembled, panel-mounted sensor, display and data logging terminal solutions. These platforms are designed to offer the user a rapidly deployed sensor solution that provides live data display, sensor calibration interface, data logging and sensor signal passthrough to any receiving controller, PLC or DCS network.





### DW-2100P PANEL

Drinking Water Panel

- Turn-Key Monitoring Solution for Clean Water Applications (including Drinking Water Networks, Secondary Water Supply & Decorative/Swimming Water Applications)
- ✓ Arrives Pre-Assembled & Field Ready



UC-100 Display & Data Logging Terminal



LT-73X Ultra-Low Turbidity Sensor



ST-765SS Free Chlorine + pH Sensor

### DW-739 PANEL

Drinking Water Panel

 Turn-Key Monitoring Solution for Clean Water Applications (including Drinking Water Networks, Secondary Water Supply & Decorative/Swimming Water Applications)
 Arrives Pre-Assembled & Field Ready
 UC-100 Display & Data Logging Terminal
 LT-73X Ultra-Low Turbidity Sensor





### IK-765 PANEL

#### Drinking Water Panel

- Turn-Key Monitoring Solution for Clean Water Applications (including Drinking Water Networks, Secondary Water Supply & Decorative/Swimming Water Applications)
- ✓ Arrives Pre-Assembled & Field Ready
- ✓ UC-50 Display & Data Logging Terminal
- ✓ ST-765SS Free Chlorine + pH Sensor

### OIL-IN-WATER TECH

#### Strategy is to Grab Samples & Build Solution Tailored to Application or Contaminants!

<sup>1</sup>Test Sample & Pick Best Wavelength <sup>2</sup>Use Pyxis Lab<sup>®</sup> HM-900 to Study Contaminants <sup>3</sup>Build Panel with Probe & Control Strategy

#### **OIW/CIP Panel Example:**

- ✓ Built In CIP Clean Place based off Cleanliness Data
- ✓ **Multiple Probe Array –** UV in Water (0–1,000ppm) Target Light Oil
- ✓ HM-520 = Oil-In-Water (0–100ppm) Target Heavier Oil
- Compensates for Color & Turbidity!
- ✓ Easy to Clean Unique Design Short Fluidic Channel
- ✓ Transmits to **ANY** Cloud for Real Time Alerts!



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# THANK YOU!

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