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®**

Well Established American OEM dedicated to the development of inline sensors for the water treatment Industry

- Our products are specifically designed for the use of monitoring key parameters in the water treatment industry.

- Designed by an experienced team of Former Water Treatment Professionals.

- Extensive R&D Team - All in-House product development. Globally Known for innovative products with rapid development.

Deployed in **>100** Countries

15,000+ Global Fluorometer Install Base

Rapid Development of **New Products**

NEW HQ – TEXAS USA

- **TOMBALL, TEXAS USA**
  Global HQ & Production

- **BARCELONA, SPAIN**
  Regional Office EMEA

- **SHANGHAI, CHINA**
  Regional Office/R&D APAC

- **CHANGZHOU, CHINA**
  Regional Office & Production APAC

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Pyxis®

- Pyxis Lab® 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® Ready Handheld Devices
- Accessories & Maintenance
- Fluorescent Tracing Chemicals

www.pyxis-lab.com/shop

COMPETITIVE
ADVANTAGE

SMART SENSORS
- Integrated Transmitter within Sensor
- Integrated Proprietary Compensation Algorithms
- RS-485 & 4-20mA Output Communication Combined

EASY INSTALL
- **AGNOSTIC** Sensors connect directly to **ANY** Controller, PLC or DCS via 4-20mA and RS-485 Modbus (RTU).
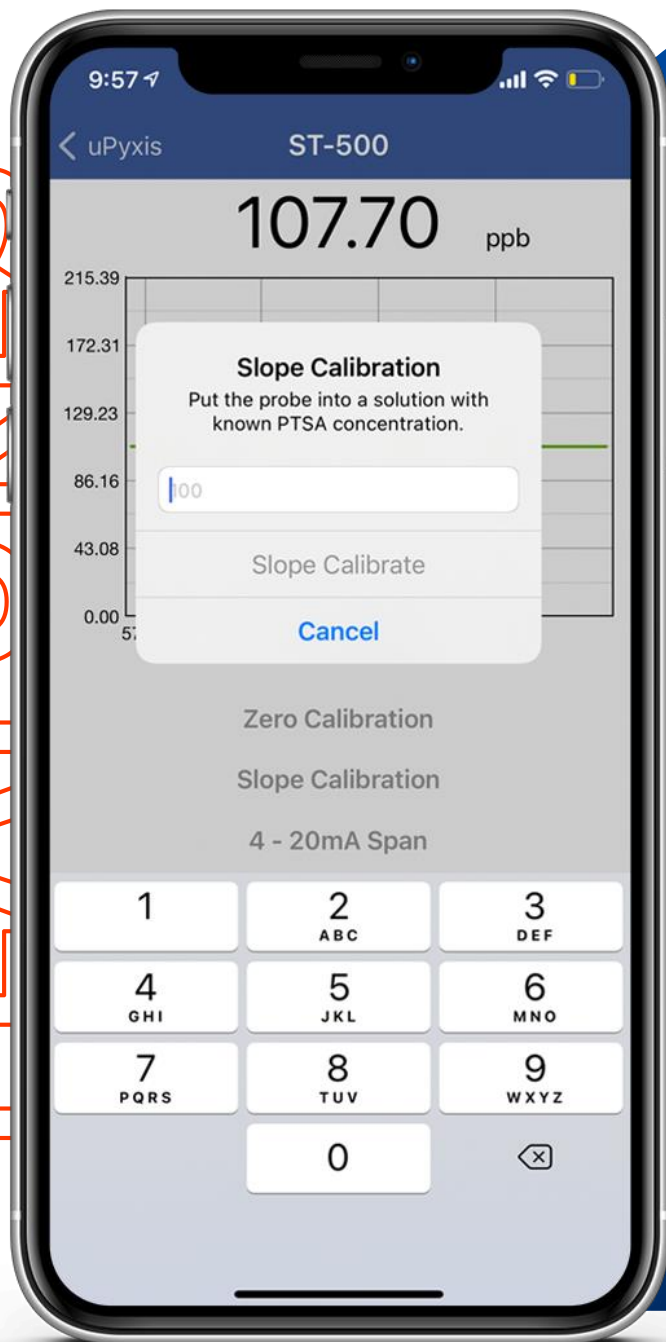
ROBUST, LONG-LASTING INSTRUMENTATION
- Cutting-edge instrumentation with a robustness for wider ranges, lower detection limits & longer life span.

UPYXIS APP
- Access to the sensor´s intelligence/digital capabilities using mobile device or PC
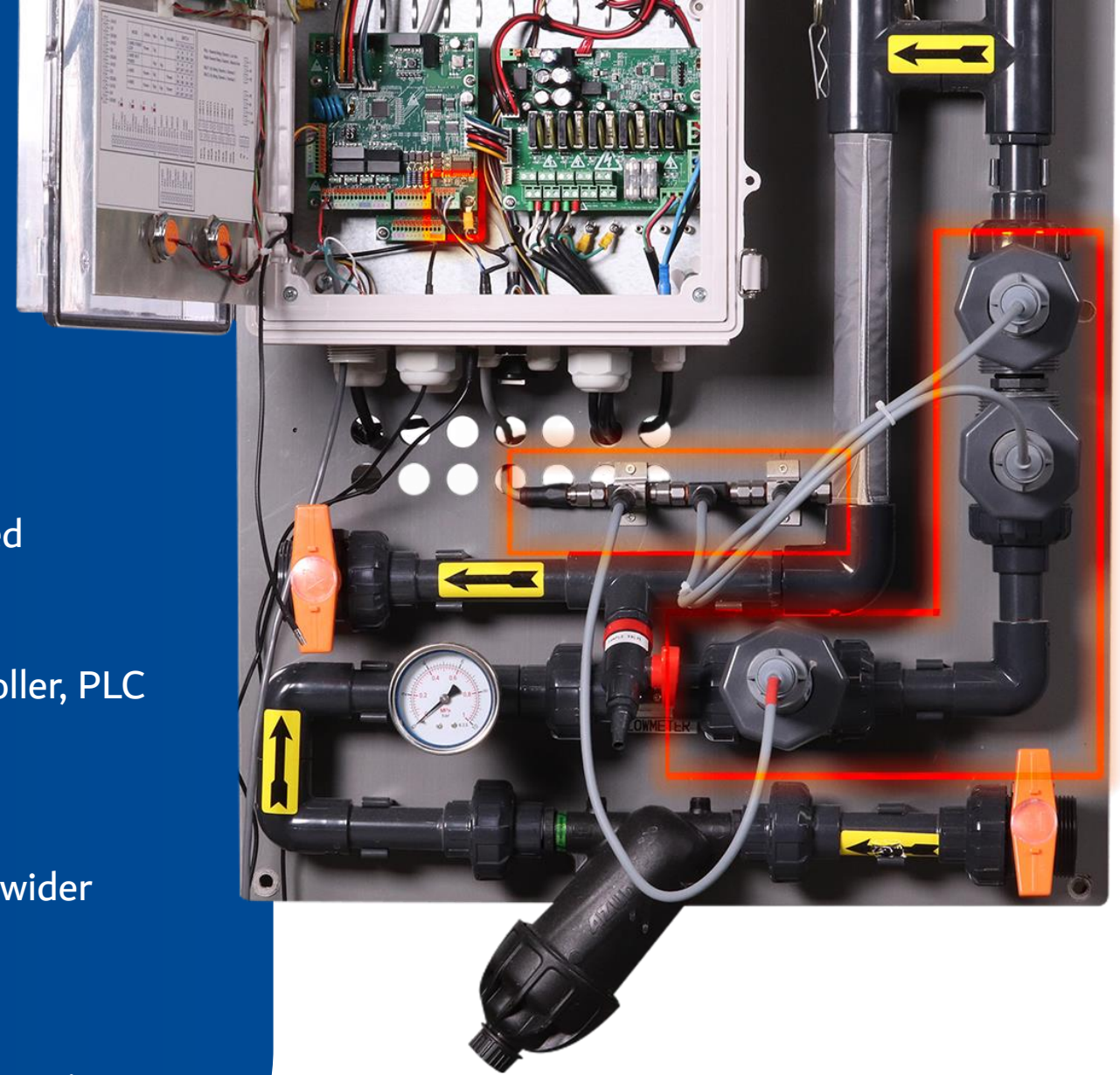
uPYXIS® APP

Wireless Monitoring with Live Data Trends

Configure Your Device to Fit Your System

Diagnose Fouling & Sensor Damage

Calibrate ANY Pyxis Lab® Sensor Wirelessly

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® Data Log Capabilities
- ✓ **NEW – INTEGRATED USB PORT**

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® Data Log Capabilities
- ✓ **NEW – INTEGRATED USB PORT**

SIMPLE MAINTENANCE
With the uPyxis® Mobile & Desktop App

[1] Connect the sensor to uPyxis® app via Smart Phone or Desktop

[2] Diagnose Cleanliness of the sensor via uPyxis®

[3] Use Pyxis Lab® Sensor Cleaning Kit & run diagnostics again

[4] Now calibrate the sensor using uPyxis®

[5] Back to business in 5 minutes time!
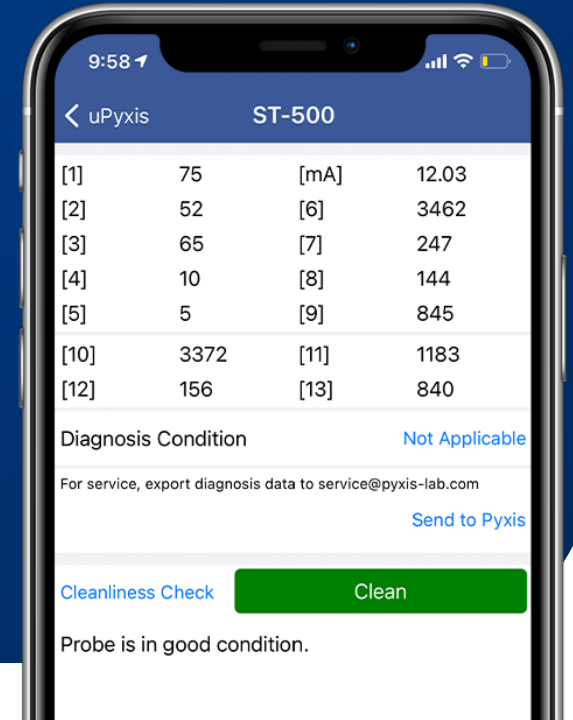
Pyxis®

INLINE **SENSORS**

Choose from a variety of inline fluorometers, turbidimeters, industrial & precision sensors that offer fully integrated analog & digital outputs. Every Pyxis Lab® smart sensor contains sophisticated process control technology with integrated diagnostics.
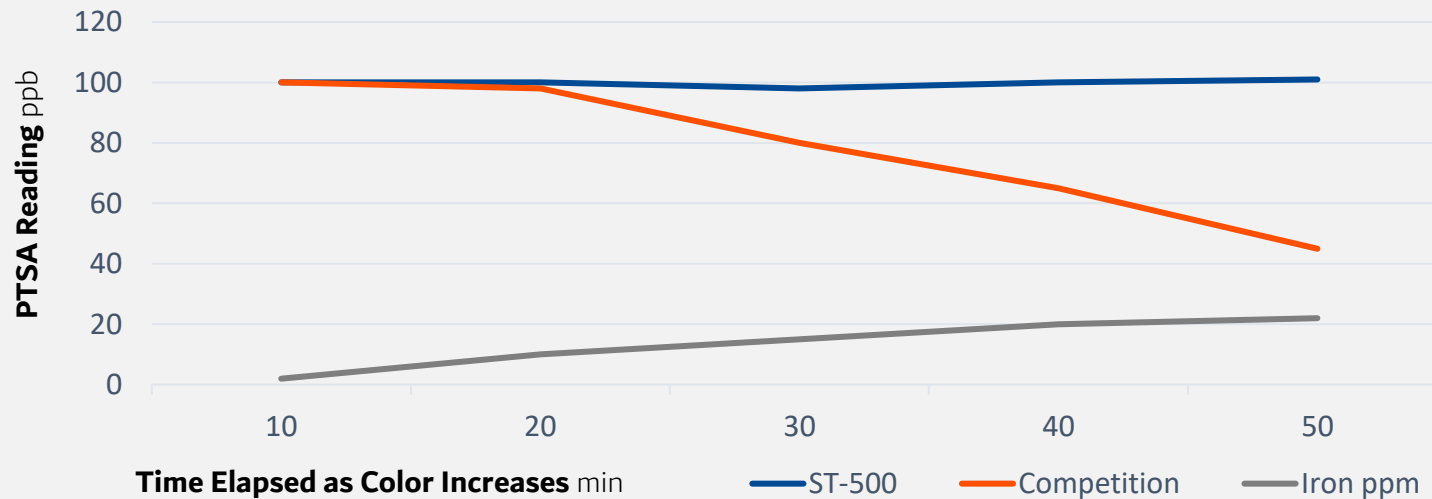
ST-500 **Series**
Inline PTSA Sensors

ST-500 PTSA *(0–200ppb)*
ST-500RO PTSA for RO *(0–40ppb)*
ST-500SS PTSA High Pressure *(0–200ppb)*

✓ 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® ST-500 offers **Premium Optical Design & Advanced Proprietary Compensation Algorithms**!
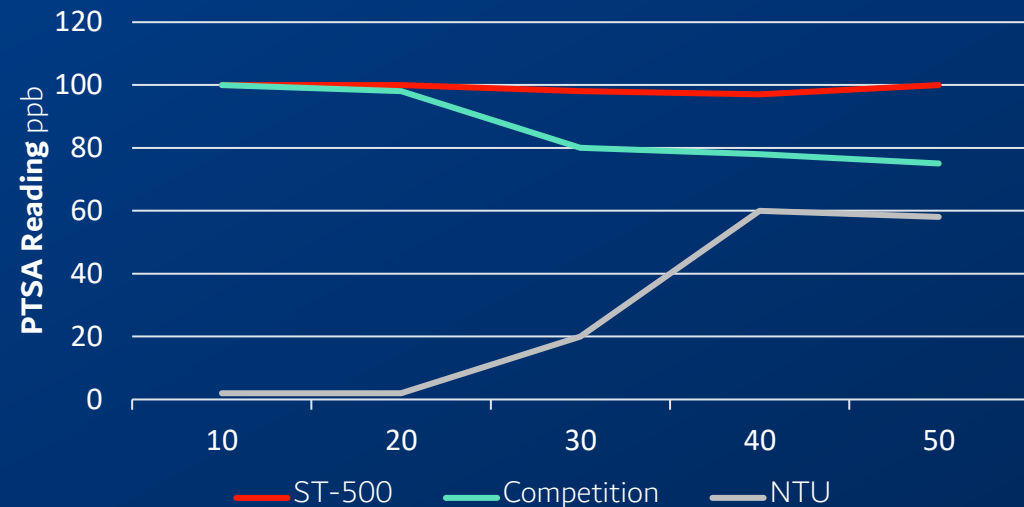
Color **Compensation**
Recorded Values as Color Develops

Legend: ST-500 | Competition | Iron ppm
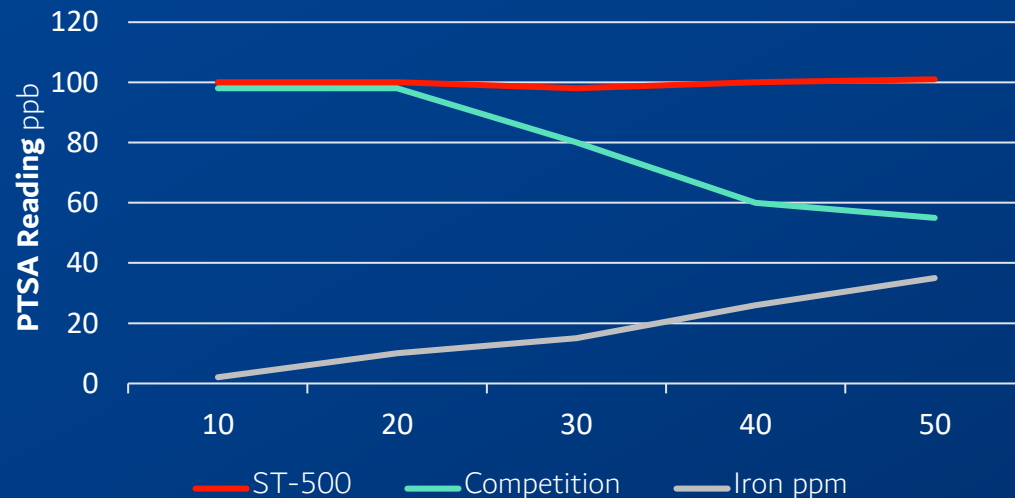
Turbidity **Compensation**
Recorded Values as NTU Increases

Legend: ST-500 | Competition | NTU

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 Sensor
ST-588 Fluorescent Polymer + PTSA Sensor

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

Pyxis Lab, Inc.
1729 Majestic Dr Suite 5
Lafayette CO 80026

Made in China

ST-525SS **BOILER SENSOR**
Inline Fluorescein Sensor

ST-525SS Fluorescein *(0–60ppb)*

ST-525SS-HR Fluorescein *(0–500ppb)*

- ✓ 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

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ST-600 SERIES
Inline Disinfection Sensors

ST-600 % Concentration of Bleach *(0–16%)*
ST-601 % ClO$_2$ *(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

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 *(0–10ppm)*
HM-510 Oil In Water *(0–1000ppm)*
HM-520 Oil In Water *(0–100ppm)*

- ✓ **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®
- ✓ Enlarged Salt Bridge for Reduced Fouling
- ✓ 3–4x KCl Gel Content Over Conventional Sensors
- ✓ **Ideal for Cooling Water & Wastewater Applications**

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ST-710SS SERIES

Inline pH & ORP Sensors with Replaceable Head

ST-710SS pH Only

ST-711SS ORP Only

ST-712SS pH + ORP Dual Sensor

- ✓ 4–20mA & RS-485 Modbus Connection
- ✓ **Very Long Sensor Life**
- ✓ **Removable and replaceable electrode head assembly**
- ✓ **No Electrode to Swap**
- ✓ Wireless Calibration with uPyxis®
- ✓ Enlarged Salt Bridge for Reduced Fouling
- ✓ 3–4x KCl Gel Content Over Conventional Sensors

EH-710
Replacement pH Electrode

EH-711
Replacement ORP Electrode

EH-712
Replacement pH + ORP Electrode

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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**

NEW

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
- ✓ 32–140ºF / 0–60ºC 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®
- ✓ **Ideal for Membrane & Ultra-Pure Applications**

CR **SERIES**

LPR Corrosion Rate Sensors

CR-200 3.6V Battery Powered, Bluetooth® Ready
CR-300 24V Power & 4–20mA, RS-485 Output
CR-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**

NEW

ST-765SS SERIES

Inline pH + Oxidizers/Reducers

ST-765SS-FCL 0.00–5.00ppm *Free Chlorine*
ST-765SS-CLO 0.00–5.00ppm *ClO_2*
ST-765SS-Br 0.00–5.00ppm *Bromine*
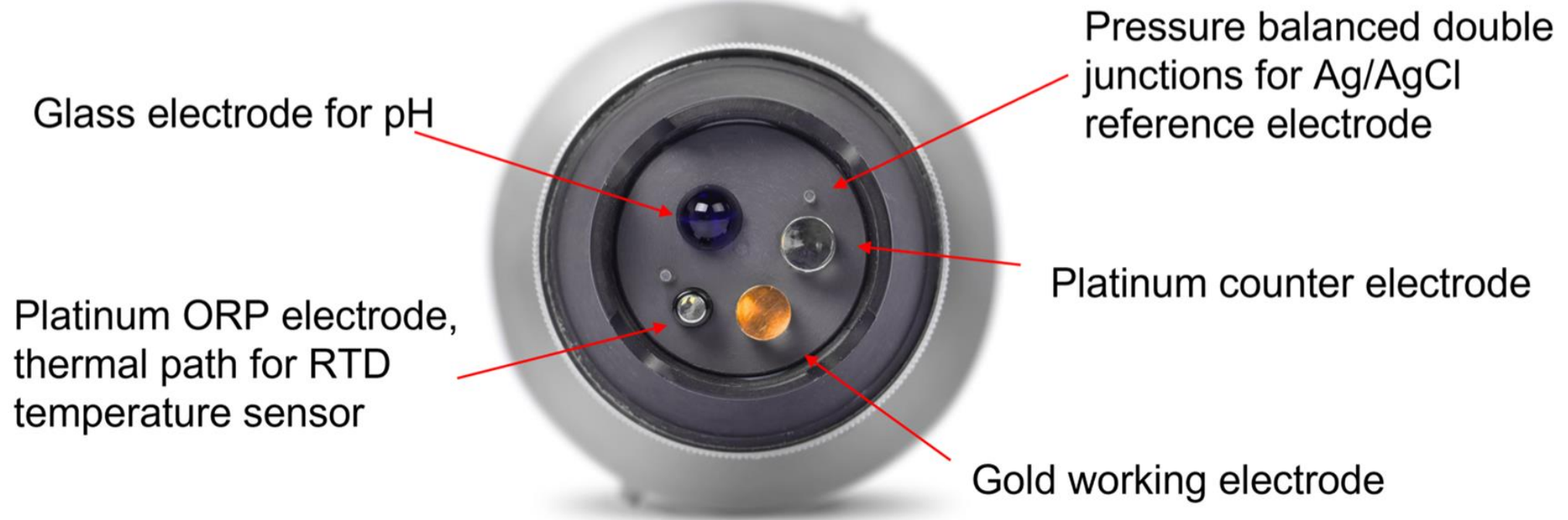**ST-765SS-NCL** 0.00–5.00ppm *Monochloramine*
ST-765SS-DCL 0.00–5.00ppm *Cl + Sulfite*
ST-765SS-SO3 0.00–up to 100ppm *SULFITE*
ST-765SS-O3 0.00–2.00ppm *OZONE*

- ✓ **BARE GOLD ELECTRODE DESIGN**
- ✓ Dual 4–20mA Outputs (Oxidizer/Reducer+ pH) /RS-485 Modbus
- ✓ Integrated RTD & pH Compensation to pH 9.0+
- ✓ **Integrated Voltammetry Self-Cleaning Electrode**
- ✓ **NO REAGENTS. NO MEMBRANES. NO ELECTROLYTE SOLUTION !**
- ✓ Replaceable EH-765 Electrode Assembly – 2 Years
- ✓ **Fast Commissioning – Zero burning time**
- ✓ Remains active on ZERO Chlorine

Glass electrode for pH

Pressure balanced double junctions for Ag/AgCl reference electrode

Platinum counter electrode

Platinum ORP electrode, thermal path for RTD temperature sensor

Gold working electrode

Pyxis®

ST-765SS SERIES – ELECTRODE HEAD ASSEMBLY

- ✓ Replaceable Bare Gold Electrode - EH-765
- ✓ Contains Oxidizer + pH + Temperature in ONE ELECTRODE
- ✓ **2-Year Life Span**
- ✓ NO TOOLS NECESSARY
- ✓ ELIMINATES MEMBRANES & ELECTROLYTE GEL

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OXI**PANEL**
Industrial Water

IK-765-B Series **Auto Brushing Analyzer**

Pre-Mounted Self-Brushing FCL/CLO2/SO3/Br + pH

- ✓ **Panel Design for COOLING & PROCESS WATER**
- ✓ Pre-Mounted on easy-to-install Analyzer Panel
- ✓ Includes ST-765SS Series for FCL/Br/CLO2/SO3 + pH
- ✓ **Mechanical Brush for Dirty Water Applications**
- ✓ Includes UC-50 Display & Data Logging Terminal
- ✓ **Fully Integrated Zero + Slope Calibration Interface**
- ✓ **4–20mA & RS-485 Modbus Connection**

FR-300-PLUS Auto Brushing Flow Reservoir

OXI|PANEL+
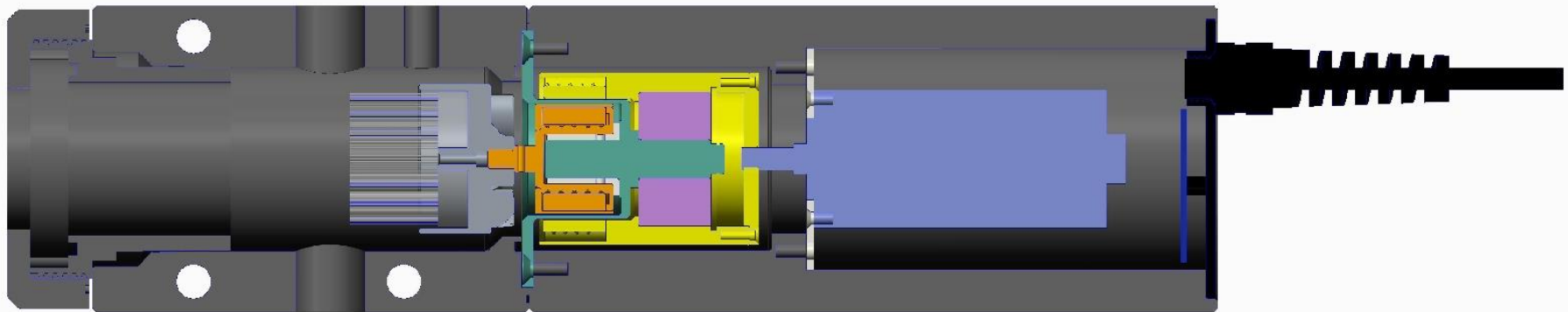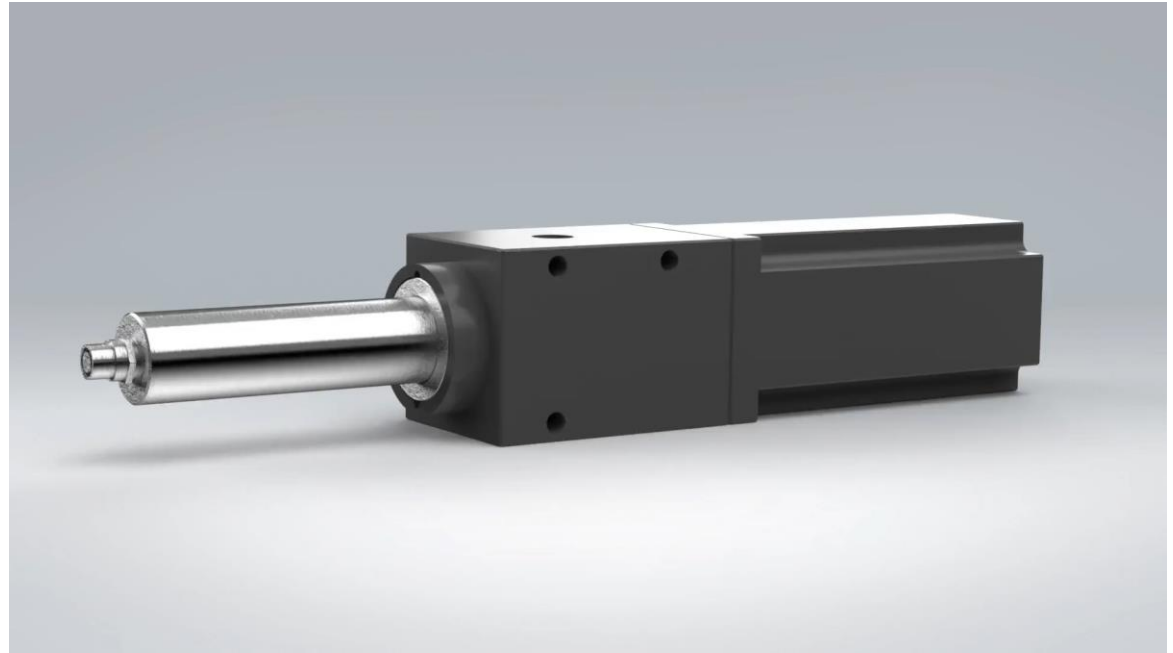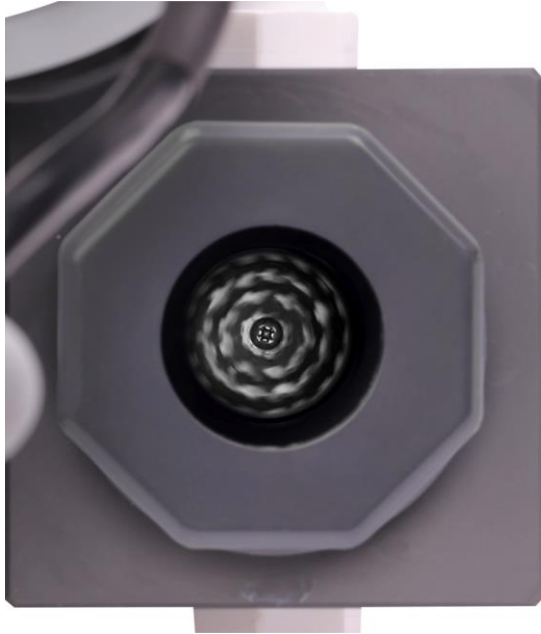
IK-765-BP Series **Brushing Analyzer w/Flow Control**

Self-Brushing FCL/CLO2/Br + pH with Ultrasonic Flow Control and UC-80 Touch Screen

- ✓ Analyzer for COOLING & PROCESS WATER
- ✓ <u>Touch Screen UC-80 Expanded Display/Controller</u>
- ✓ Integrated Sensor Module with Brushing Flow Reservoir
- ✓ Includes ST-765SS Series for FCL/Br/CLO /DCL+ pH
- ✓ Mechanical Brush for Dirty Water Applications
- ✓ 4–20mA & RS-485 Modbus Sensor Pass-Through
- ✓ Ultrasonic Flow Meter with Regulating Valve
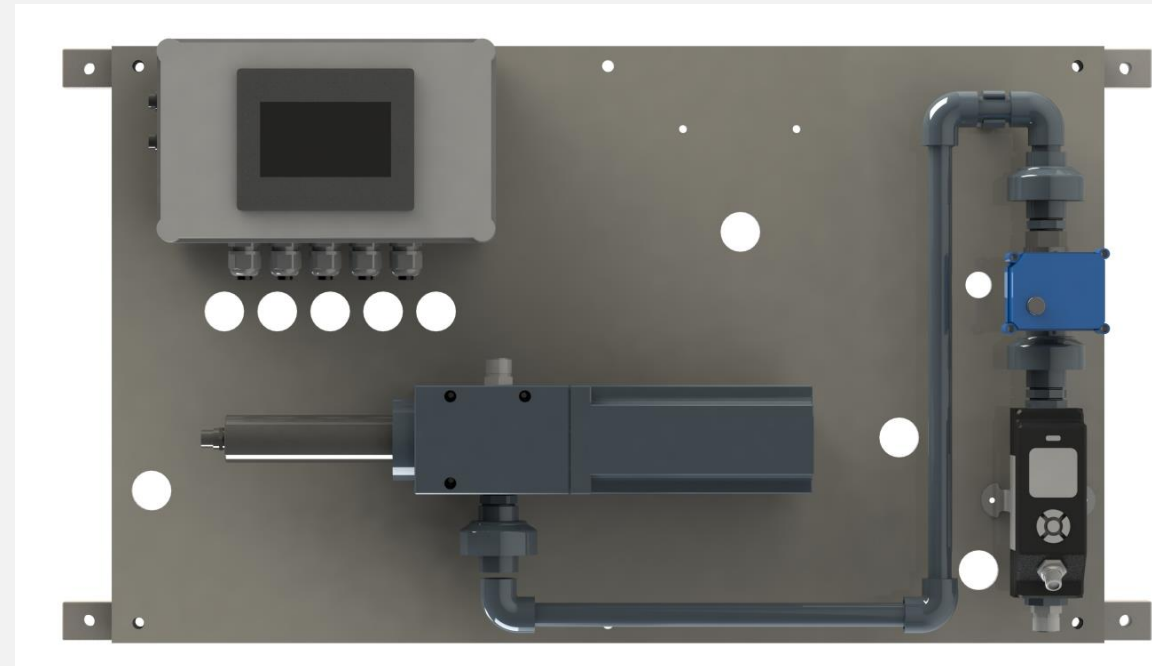
FS-100 SERIES
Ultrasonic Flow Sensors

0.0 – 3,000 mL/Minute Flow Control Module

- ✓ ½-inch NPT / ⅜ – inch OD
- ✓ Speed of Sound – Ultrasonic Technology
- ✓ +/- 1mL/Minute Accuracy
- ✓ **No Moving Parts / No Magnets**
- ✓ 32–140ºF / 0–60ºC Operation
- ✓ 100psig Pressure Capable
- ✓ 24VDC / 4–20mA & RS-485 Modbus Connection
- ✓ **LOCAL DISPLAY & SETPOINT CAPABLE**
- ✓ **Chemical Resistant Versions Coming Soon**
- ✓ **Ideal for CRITICAL FLOW VERIFICATION Applications**
- ✓ **CRITICAL Water Flow Control**

Ultra-Sonic FS-100 Flow Meter Control Module

- ✓ 0 – 3,000 mL / Minute Flow Detection
- ✓ Speed of Sound – Ultrasonic Technology
- ✓ +/- 1mL/Minute Accuracy
- ✓ No Moving Parts / No Magnets
- ✓ 32–140ºF / 0–60ºC Operation
- ✓ 100psig Pressure Capable
- ✓ 24VDC / 4–20mA & RS-485 Modbus Connection
- ✓ **LOCAL DISPLAY & SETPOINT CAPABLE**
- ✓ **Chemical Resistant Versions Available**
- ✓ **Ideal for CRITICAL FLOW VERIFICATION Applications**
- ✓ **CRITICAL Water Flow Control**

https://www.youtube.com/watch?v=L2r6LRAhlOw

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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 / 90º / InfraRed
✓ Wireless Calibration with uPyxis®
✓ Cooling, Surface & Wastewater Applications
✓ Resolution of 0.1 NTU

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
- ✓ No Need to Calibrate for Up to 1 Year
- ✓ **Drinking & Industrial Water Applications**

LT-63X SERIES

Inline Turbidity Sensors

NEW

LT-632 Turbidity *(0.0–1,000 NTU)*
LT-631 Turbidity *(0-500NTU)*
LT-633 Turbidity *(0-4,000NTU)*
LT-635 Total Suspended Solids *(0.0–30g/L as TSS)*

- ✓ Virtually Maintenance Free sensor
- ✓ Compensates for disturbances caused by flow fluctuations, colour and turbidity. Prevents deviations caused by air bubbles and suspended solids particulate.
- ✓ Resolution as low as 0.1 NTU
- ✓ 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®

Ideal for use in raw water, surface water, storm water, process water and discharged water

ST-772 **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*

✓ **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® Wireless Calibration
✓ Slope Calibrate with Air or Air Saturated Water / Zero Calibrate with 5% Sulfite Solution or Nitrogen Gas
✓ **VERY AFFORDABLE PRICE POINT**

NEW

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ST-773 **Low Cost DO Sensor**

Luminescent Dissolved Oxygen Sensor

NEW

ST-773 CPVC *Submersible & Inline (* 0.004-20mg/L)

- ✓ **Built-In Temperature**
- ✓ **No Membrane or Electrolyte Replacement**
- ✓ **Simple DO Cartridge Replacement every 2 Years**
- ✓ 4–20mA & RS-485 Modbus Connection
- ✓ Bluetooth® Wireless Calibration
- ✓ Slope Calibrate with Air or Air Saturated Water / Zero Calibrate with 5% Sulfite Solution or Nitrogen Gas
- ✓ **EXTREMELY AFFORDABLE PRICE POINT**

Application: Waste-water/Process/Biological aeration/Aquaculture
Fully integrated DO sensors alternative to HACH and Swan at far lower price (No transmitters Required)

ST-774 **SENSOR**
Inline Ultra-Low Dissolved Oxygen Sensor

ST-774 0.1–2,000ppb

- ✓ Boiler Feedwater / Ultra-Pure Water
- ✓ Fluorescent Quenching Based Technology
- ✓ Proprietary Pyxis Fluorescent Membrane
- ✓ Works with ANY Controller
- ✓ Optional Porta-Panel Mount with Display
- ✓ Easy Cartridge Changeout Maintenance
- ✓ Up to 2+years Cartridge Life! With <u>NO CALIBRATION!</u>
- ✓ **SULFITE-ZERO FIELD CALIBRATION = NO GAS NEEDED**
- ✓ 4–20mA & RS-485 Modbus Connection
- ✓ Bluetooth® Wireless Calibration via uPyxis APP
- ✓ **PRICED 50% LESS THAN HACH OR OTHER COUNTERPARTS**

ST-774 **SENSOR**

Field Zero Calibration using SULFITE

✓ Sulfite-ZERO Calibration Kit
✓ Simple Field Calibration – NO GAS NEEDED
✓ Insert Sensor Into Sulfite ZERO Solution and CAP
✓ Connect via uPyxis APP
✓ Begin ZERO Calibration
✓ Close uPyxis and Power Sensor for 6-Hours
✓ Auto-ZERO Calibration COMPLETE!

ST-774 **PortaPanel™**

Pre-Mounted Dissolved Oxygen Sensor with Display

NEW

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

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PRISM RT-100
Inline Refractometer

NEW

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

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

UC-10 NanoView™
Portable Display & Data Logging Terminal

- Portable Pyxis sensor powering, diagnostics, calibration, and live data display.
- Capable of over 10,000 measured values storage.
- 32MB Data Storage / USB-C Charging & Data Export.
- BlueTooth® 5.0 Enabled for Users Desiring to use uPyxis.
- Built-in 10,000mAh rechargeable lithium-ion battery.
- Designed for direct wired connection to both Pyxis 7-pin and 8-pin smart sensors.
- Ideal for customers not able to use uPyxis Interface.
- Directly power Pyxis sensor for maintenance as well as continuous use and data logging for more than 24-hours.

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Pyxis®

LEVEL SENSORS

Pyxis Lab® offers a wide variety of Ultrasonic & Pressure Transducer Level Sensors for precise measurement of liquid volume & liquid column height. The Pyxis Lab® level sensor platform integrates 4–20mA & RS-485 Modbus output as well as Bluetooth® connectivity for wireless configuration and data acquisition via the uPyxis® app.

LS-200 **LEVEL SENSOR**

Ultrasonic Liquid Level Sensor

LS-200 ULTRASONIC LEVEL 0–2.7 Mt

- ✓ 0-2.7 Mt Tank Level Measurement Capable
- ✓ Accuracy = ±0.15% of Reading or 0.5mm
- ✓ 24VDC External Power & Smart Switch Capability
- ✓ Bluetooth® / 4–20mA / RS-485 Modbus
- ✓ Installation: 1-inch MNPT Thread
- ✓ Temperature Range of -10ºC – 60ºC
- ✓ Wireless Configuration via uPyxis® App
- ✓ Wire Directly to ANY Controller
- ✓ Not Affected by FOAM or Condensation
- ✓ Automatic Temperature Compensation

LS-202 LEVEL SENSORS
Ultrasonic Liquid Level Sensor

LS-202 Ultrasonic with Local Display 0-2.7 Mt

- ✓ 0-2.7 Mt Tank Level Measurement Capable
- ✓ 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® / 4–20mA / RS-485 Modbus
- ✓ Installation: 1-inch MNPT Thread
- ✓ Temperature Range of -10ºC – 60ºC
- ✓ Wireless Configuration via uPyxis® App
- ✓ Wire Directly to ANY Controller
- ✓ Not Affected by FOAM or Condensation
- ✓ Automatic Temperature Compensation

LSR-801 Series **LEVEL SENSOR**
RADAR Liquid Level Sensors

COMING SOON

LSR-801 RADAR 0–15 Mt

LSR-801L RADAR 0–15 Mt + LoRA

0-15 Meters Tank Level Measurement Capable
- ✓ Accuracy = ± Reading or 2.0mm
- ✓ 24VDC External Power & Smart Switch Capability
- ✓ **LoRa = Long Range Radio Communication**
- ✓ Bluetooth® / 4–20mA / RS-485 Modbus
- ✓ Installation: 2-inch MNPT Thread
- ✓ Temperature Range of -10ºC – 60ºC
- ✓ Wireless Configuration via uPyxis® App
- ✓ Wire Directly to ANY Controller
- ✓ Not Affected by FOAM or Condensation
- ✓ Automatic Temperature Compensation

Pyxis
Pyxis Lab, Inc.
1729 Majestic Dr.
Lafayette, CO 80026
(866) 203-8397
Radar Level Transmitter
with LoRa
Model: LSR-801L
P/N: 51959
S/N: XXXXXX

LSP-X01 SERIES

Pressure Transducer Level Sensors

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

- ✓ 0-32 Ft Tank Level Measurement Capable
- ✓ Accuracy = 0.15% of Reading or 0.5mm
- ✓ 24VDC External Power & Smart Switch Capability
- ✓ Bluetooth® / 4–20mA / RS-485 Modbus
- ✓ Installation: 1-inch / 2.5-inch MNPT Thread
- ✓ Temperature Range of -10ºC – 60ºC

LSP-X00 SERIES
Pressure Transducer Level Sensors

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

- ✓ 0-32 Ft Tank Level Measurement Capable
- ✓ 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: 1-inch/2.5-inch MNPT Thread
- ✓ Temperature Range of -10ºC – 60ºC

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 *0–300ppb*
SP-380 PTSA *0-300ppb* + Fluorescein *0-600ppb*
SP-395N NDSA *0-100ppb*
SP-400 PTSA *0-300ppb* + Conductivity *0–20,000uS*

✓ Extremely Portable Handheld Measurement of Tracers
✓ Single Step Calibration with Liquid Standards
✓ Bluetooth® Enabled for Wireless Features via uPyxis®
✓ **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

OXIPOCKET

SP-200 Pocket Colorimeter for Oxidizers

- ✓ DPD Free & Total Chlorine
- ✓ DPD Total Bromine
- ✓ DPD Chlorine Dioxide
- ✓ Monochloramine
- ✓ Nitrogen Ammonia
- ✓ Hydrogen Peroxide

- ✓ Peroxyacetic Acid – PAA
- ✓ Ozone
- ✓ Direct Read Bleach % Cl_2 Concentration
- ✓ Direct Read ClO_2
- ✓ Water-Proof & Drop Resistant

Uses HACH ® -or- Pyxis Lab® 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 *(ºC & ºF)***
- ✓ **Free & Total Chlorine *(DPD 0–10ppm)***
- ✓ Waterproof & Drop Resistant
- ✓ Improved Color Screen Design
- ✓ Pressure Sealed / HI-Grade Plastic Molded Screen
- ✓ Wireless Bluetooth® pH + ORP Module
- ✓ Easy to Navigate Menu
- ✓ **Very LOW PRICE**
- ✓ **Uses Pyxis Lab® or HACH® Reagents**

SP-710 MULTIMETER
Water Multimeter, Fluorometer & Colorimeter

- ✓ **PTSA/Fluorescine**
- ✓ **pH & ORP**
- ✓ **Conductivity** *(0–20,000µS/cm)*
- ✓ **Temperature** *(ºC & ºF)*
- ✓ **Free & Total Chlorine** *(TMB 0–2.2ppm)*
- ✓ Waterproof & Drop Resistant
- ✓ Improved Color Screen Design
- ✓ Pressure Sealed / HI-Grade Plastic Molded Screen
- ✓ Wireless Bluetooth® pH + ORP Module
- ✓ Easy to Navigate Menu
- ✓ **Wireless Calibration of Pyxis Lab® Sensors**

SP-710 MULTIMETER

Replace MULTIPLE UNITS with One Low-Cost Device!

USES Pyxis or Dropper TMB Chlorine Reagent

SP-710

=

Myron 6P

+

HACH DR-300

+

Turner OptiCheck

SP-800 HANDHELD

Multi-Parameter Colorimeter

- ✓ Complete Colorimeter + Turbidimeter
- ✓ All HACH® Plus Advanced Pyxis Lab® Methods >75 Tests
  - • Hach® DR-900 Methods & Reagents Supported
  - • 7.5–1,500 ppm ClO_2 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® Integrated for Data & Updates
- ✓ Real-Time Graphical Readout

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

- Select methods and forget "Program The Numbers". ☺
- Frequently Used Favorite Methods Displayed On Top.
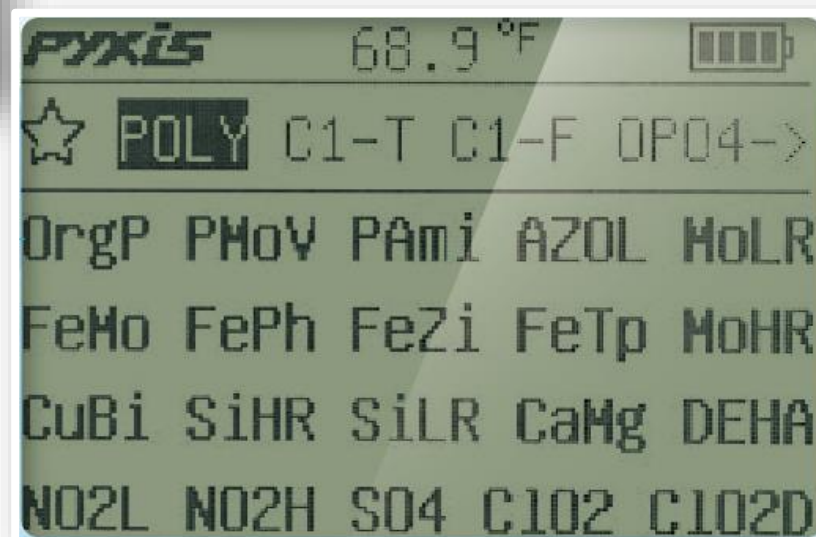
- Real time kinetics display
- Predict reading during color development
- Stop and read anytime as you like
- Know over-range earlier
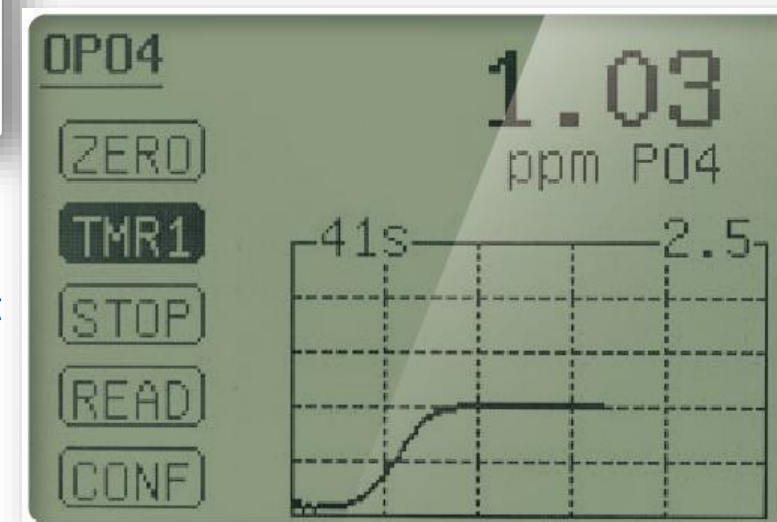
SP-800 COLORIMETER + TURBIDIMETER
Replace HACH DR-900 with Lower-Cost Device While Using HACH Reagents

USES Pyxis or HACH Reagents

=

SP-800

HACH

DR-900

SP-910 HANDHELD

3-in-1 Fluorometer / Colorimeter / Turbidimeter

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® Adapter Included**
  - Available PC Software to Add/Edit the Product by the User
  - Calibrate a Nearby ST-500 Directly via Bluetooth®
- ✓ **Advanced Methods**
  - Hach® DR-900 Methods & Reagents Supported
  - 7.5–1,500ppm 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!**

SP-910 FLUOROMETER + COLORIMETER + TURBIDIMETER

Replace MULTIPLE UNITS with One Low-Cost Device!

USES Pyxis or HACH Reagents

SP-910

=

HACH

DR-900

+

Turner OptiCheck

HM-900 HANDHELD

NEW

Oil In Water Field Analyzer

- ✓ **Direct Read UV Fluorescent Technology**
- ✓ Hexane Extraction Method Technology
- ✓ Unique Pyxis Lab® 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!**

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.

Pyxis®

pH 10.0 Calibration Solution
D-70

500 ml
SKU:57006

Pyxis Lab 1729 Majestic Drive, Suite 5
Lafayette, CO 80026
866-203-8397
www.pyxis-lab.com

Made in the U.S.A.

pH 7.0 Calibration Solution
D-71

500 ml
SKU:57004

Pyxis Lab 1729 Majestic Drive, Suite 5
Lafayette, CO 80026
866-203-8397
www.pyxis-lab.com

Made in the U.S.A.

pH 4.0 Calibration Solution
D-70

500 ml
SKU:57005

Pyxis Lab 1729 Majestic Drive, Suite 5
Lafayette, CO 80026
866-203-8397
www.pyxis-lab.com

Made in the U.S.A.

CALIBRATION **STANDARDS**
Pyxis Lab® 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
- ✓ Includes Cleaning Solution
- ✓ Includes Instructions
- ✓ 10+ Sensor Cleanings
- ✓ Inorganic Deposit Cleaner
- ✓ Available on our E-Store

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**

FOLLOW **PYXIS LAB®**

Stay informed on everything Pyxis Lab® like Product Releases, Product Tutorials and opportunities to participate in giveaways to WIN FREE PYXIS LAB® UNITS!

THANK **YOU!**

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Some of our **Valued Partners**