

SP-200 OXIPOCKET™

Pocket Oxidizer - Colorimeter/Fluorometer

Product Description

The SP-200 OXI-Pocket is a unique all in one pocket colorimeter specifically designed for measurement of all primary oxidizing biocides and disinfectants commonly used in the municipal, domestic and industrial markets. The SP-200 offers colorimetric testing of oxidizing biocides and disinfectants as well as Ammonia using both Pyxis Lab and conventional reagents available on the market and replaces the need for independent analyte pocket colorimeters or expensive multi-component colorimeters. The SP-200 also contains an integrated fluorometer enabling Pyxis Lab's 'DIRECT-READ' methods for both Chlorine Dioxide and Bleach concentration in both low and high concentration ranges as mass/mass. This unique Pyxis Lab development allows users to test direct source samples of both Chlorine Dioxide and Bleach concentrate chemical solutions and determine precise concentration without the need for any reagents. This device is Bluetooth 5.0 enabled for data log transfer, firmware updates and screen customization via the uPyxis Mobile and Desktop App's.



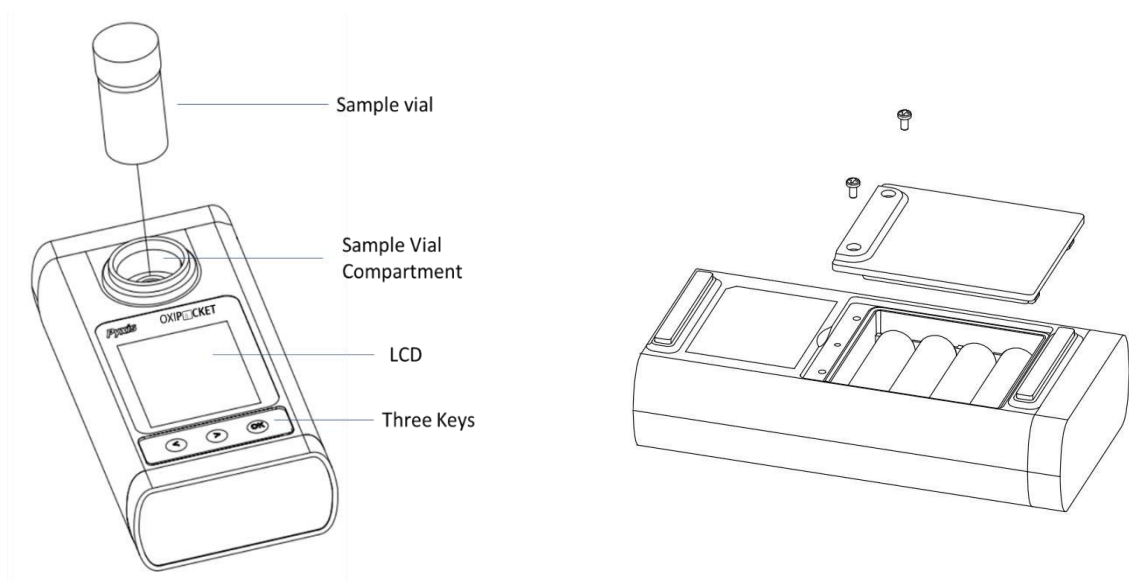
Features

- Colorimetric Testing of all Conventional Oxidizing Biocides + Disinfectants
- Unique Pyxis Lab – PAA Peroxyacetic Acid Colorimetric Test Method
- Unique Pyxis Lab – Chlorine Dioxide Direct Read Test Method (mass/mass)
- Unique Pyxis Lab – Bleach Concentration Direct Read Test Method (mass/mass)
- Fully Integrated Test Timers with Live Graphical Display of Residual
- Uses both Pyxis Lab and/or Conventional Powder Pillows Available on the market (Hach® and Others)
- Meets EPA 334.0 – DPD Testing Guidelines for Drinking Water
- DPD Secondary Verification Liquid Standards Available for EPA regulated applications
- Data Logging – 30,000 group storage
- Bluetooth Integrated for wireless data log transfer and customization

Specifications

Item	SP-200 OXI-Pocket
Part Number (P/N)	50802
Absorbance Linearity Range	0–2.0 Abs
Absorbance Reproducibility	±0.005 Abs (0–1.0 Abs)
Colorimeter Wavelengths	365/420/470/525/568/624 nm
Wavelength Accuracy	±1 nm
Temperature Range	40–106 °F (4–41 °C)
Humidity	85% at 106 °F (41 °C)
Data Storage	30,000 group data storage Bluetooth transmission
Display	320x240 TFT-LCD, visible under direct sunlight
Power Supply	4 AA alkaline batteries
Typical Battery Life	10,000 readings
Cuvette / Sample Vial	10mL / 24mm diameter cuvette (MA-24)
Dimension (L × W × H)	6.69 × 3.15 × 1.77 inch (170 × 80 × 45 mm)
Weight	0.88 lbs (400 g)
Enclosure Rating	IP67
Regulation	CE/RoHS

Diagram



Supported Methods

Abbreviation	Method Name	Description	Range
CL-F	Free Chlorine	Free Chlorine, DPD Method	0.02 - 2.2 ppm
CL-T	Total Chlorine	Total Chlorine, DPD Method	0.02 - 2.2 ppm
Br-T	Total Bromine	Total Bromine, DPD Method	0.04 - 4.5 ppm
CLO2	Chlorine Dioxide	Chlorine Dioxide, DPD Method	0.04 - 5.0 ppm
PAA	Peroxyacetic – PAA	Peroxyacetic Acid, Iodimetry Method	25.0 - 500 ppm
H2O2	Hydrogen Peroxide	Hydrogen Peroxide, Iodimetry Method	25.0 - 400 ppm
H2O2-L	Hydrogen Peroxide Low	Hydrogen Peroxide, Iodimetry Method	0.05 – 1.5 ppm
NH3S	Nitrogen Ammonia	Nitrogen-Ammonia, Salicylate Method	0.02 – 0.5 ppm
Bleach-L	Bleach	Bleach Conc., Low Range Direct Read	0.015 - 1.0% m/m
Bleach-H	Bleach	Bleach Conc., High Range Direct Read	0.50 - 16.0% m/m
O3	Ozone	Ozone, DPD Method	0.1 – 1.0 ppm
NH2C	Chloramine, Mono	Monochloramine, Indophenol Method	0.1 - 3.0 ppm
CLO2D	Chlorine Dioxide Medium	Chlorine Dioxide, Med Range Direct Read	7.3 - 50 ppm
CLO2H	Chlorine Dioxide High	Chlorine Dioxide, High Range Direct Read	200 - 1500 ppm
CL2H	Free Chlorine High	Free Chlorine High Range, DPD Method	0.1 – 10.0 ppm
CL2-TH	Total Chlorine High	Total Chlorine High Range, DPD Method	0.1 – 10.0 ppm
CL2UH	Free Chlorine Ultra High	Free Chlorine Ultra High Range, Iodimetry	5 – 400 ppm

Powder Pillow Reagents

Abbreviation	Reagent Name	Reagent Part #	Description
CL-F	CL-F Reagent	31002 – Pyxis	DPD Free Chlorine Pillow -10mL/100pk
CL-T	CL-T Reagent	31014 - Pyxis	DPD Total Chlorine Pillow -10mL/100pk
Br-T	Br-T Reagent	31063 - Pyxis	DPD Total Bromine Pillow -10mL/100pk
CLO2	CLO2 Reagent Kit	31016 - Pyxis	DPD Chlorine Dioxide Pillow – 10mL/100pk
PAA	PAA Reagent	31079 – Pyxis	Iodimetry PAA Pillow – 10mL/100pk
H2O2	H2O2 Reagent	31117 - Pyxis	Iodimetry H2O2 Pillow – 10mL/100pk
H2O2L	H2O2L Reagent Kit	31124 - Pyxis	Iodimetry Low Range H2O2 Pillow – 10mL/100pk
NH3S	NH3S Reagent Kit	31035 - Pyxis	Nitrogen, Ammonia NH3S Pillow Kit – 10mL/100pk
O3	O3 Reagent	31118 - Pyxis	DPD Ozone Pillow – 10mL/100pk
NH2C	NH2C Reagent	31036 - Pyxis	Indophenol Monochloramine Pillow - 10mL/100pk
CL2H	CL2H Reagent	31015 - Pyxis	DPD High Range Free Chlorine Pillow – 10mL/100pk
CL2-TH	CL2-TH Reagent	31060 - Pyxis	DPD High Range Total Chlorine Pillow – 10mL/100pk
CL2UH	CL2UH Reagent	31074 - Pyxis	DPD UltraHigh Range Free Chlorine Powder Pillow – 10mL/100pk

Order Information

P/N

SP-200 OXI-Pocket	50802
10mL Sample Vial	MA-24
25mL Sample Vial	MA-25
Pyxis Handheld Hard Carry Case	50725
DPD 1.0ppm Chlorine Secondary Standard Liquid (125mL)	21039
DPD 2.0ppm Chlorine Secondary Standard Liquid (125mL)	21040