

SP-210

Pocket Bleach Concentration Analyzer

Product Description

The Pyxis SP-210 Handheld Bleach Analyzer is uniquely designed pocket analyzer specifically designed to measure the real-time mass/mass concentration of both manufactured concentrate and diluted electrolysis produced Sodium Hypochlorite by percentage as Chlorine (Cl_2). The SP-210 offers a direct pour sample method where bleach is applied directly to the sample measurement cell of the unit. The unit is integrated with algorithm compensation for ambient light and does not require the sample to be shielded during measurement. The SP-210 works by measuring the optical density of the bleach solution using a LED based UV light source. The SP-210 is with an expanded range of measurement with auto-resolution as well as an RTD temperature output signal with automatic temperature compensation within the device. This internal compensation enables accurate bleach concentration measurement of bleach with a wide variety of sample temperatures and forms from diluted to concentrated. The features of the SP-210 allow the user to measure industrial bleach concentration as high as 16% (mass/mass) as well as diluted solutions through electrolysis generation and simultaneously obtains the sample temperature measurement, useful when required to consider the impact of atmospheric temperature conditions on variable bleach concentration readings.

Features

The SP-210 offers a simple to use platform for measuring concentrated liquid bleach solutions in industrial, municipal and process water applications. This device provides are highly accurate and rapid results alternative to conventional titration methods.

- Simple Pour-In-Sample Design – Not Affected by Ambient Light - No Sample Vials Needed
- Sample Cell Compatible with Concentrated Liquid Bleach Solutions
- Integrated Cleanliness Diagnostics
- % Cl_2 concentration displayed as Mass/Mass with auto-resolution for wide range of solutions
- Sample Temperature Displayed as °F and °C
- Internal RTU Temperature Compensation of Bleach Concentration



Specifications

Item	SP-210
P/N	50801
Measurement Range	0.01-16% mass/mass
Accuracy	±2% of Reading Value ±0.1% of Unit Range
Method	UV Absorbance - LED
Measurement Wavelength	365/395nm
Wavelength Accuracy	±1 nm
Absorbance Reproducibility	±0.005Abs(0-1.0Abs)
Absorbance Linearity Range	0-2.0Abs
Storage Temperature	-4 to 140 °F (-20 to 60 °C)
Operating Temperature	40 to 106 °F (4 to 41 °C)
Humidity	85% at 106 °F (41 °C)
Data storage	30,000 group data storage Bluetooth transmission to uPyxis
Dimension(L×W×H)	170×80×45mm (6.69×3.15×1.77 inches)
Display	320x240 TFT-LCD Visible under direct sunlight
Weight	400g (without battery)
Battery	4-AA alkaline batteries
Typical Battery Life	3,200 readings (480mAh battery)
Environmental	IP67, dustproof and waterproof
Regulation	CE / RoHS

NOTE The SP-210 is factory calibrated using ultra-pure solutions of Sodium Hypochlorite by Pyxis Lab Inc. Raw material qualities vary globally and as such field calibration may be required by the user to adjust for lower quality raw material used in the point of application.

Order Information

SP-210 Pocket Bleach Concentration Analyzer

Pyxis Handheld Hard Carry Case

Pyxis Handheld Field Cleaning Kit

MA-NEB Bluetooth USB Adapter for PC Use with uPyxis Desktop APP

P/N

50801

50725

SER-02

MA-NEB