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Oakton WD-35613-82

Oakton WD-35613-82 Ion 6+ Handheld Meter Kit User Manual

Model: Ion 6+ | Part Number: WD-35613-82

1. Introduction

This user manual provides detailed instructions for the proper setup, operation, calibration, maintenance, and troubleshooting of your Oakton WD-35613-82 Ion 6+ Handheld Meter Kit. To ensure accurate measurements and extend the lifespan of your device, please read this manual thoroughly before use and retain it for future reference.

2. Product Overview

The Oakton Ion 6+ is a versatile handheld meter designed for precise pH and ion measurements. This kit includes essential components for immediate use in various applications.

This image displays the Oakton Ion 6+ handheld meter, a gray and blue device with a digital display showing '100.0'. It has control buttons for ON/OFF, CAL, HOLD/ENTER, MODE, and arrow keys. Two probes are connected to the top: a black temperature probe and a clear pH/ATC probe.

3. Kit Contents

Your Oakton WD-35613-82 Ion 6+ Handheld Meter Kit typically includes the following items:

- Oakton Ion 6+ Handheld Meter
- pH electrode
- ATC (Automatic Temperature Compensation) probe
- Protective rubber boot
- pH buffer solutions
- Solution bottles
- Rinse bottle
- Batteries
- Carrying case

4. Setup

Follow these steps for initial setup of your meter:

1. **Install Batteries:** Open the battery compartment on the back of the meter and insert the specified batteries, observing correct polarity.
2. **Connect Probes:** Carefully connect the pH electrode and the ATC probe to their respective ports at the top of the meter. Ensure connections are secure.
3. **Prepare Electrodes:** If the pH electrode is dry, condition it according to the electrode's specific instructions (usually by soaking in storage solution or buffer for a period).

5. Operation

To take a measurement with your Ion 6+ meter:

1. **Power On:** Press the **ON/OFF** button to turn on the meter.
2. **Select Mode:** Press the **MODE** button to cycle through available measurement modes (e.g., pH, mV, Ion). Select the desired mode.
3. **Calibrate:** Perform a calibration as described in Section 6 before taking critical measurements.
4. **Immerse Probe:** Rinse the electrode with distilled water and immerse it into the sample solution. Ensure the electrode tip is fully submerged.
5. **Read Measurement:** Allow the reading on the display to stabilize. The meter will typically indicate stability.
6. **Hold Reading:** Press the **HOLD/ENTER** button to freeze the current reading on the display. Press again to release.
7. **Power Off:** Press the **ON/OFF** button to turn off the meter after use.

6. Calibration

Regular calibration is crucial for accurate measurements. Refer to the specific instructions for your pH electrode and buffer solutions for the exact calibration procedure. Generally, calibration involves:

1. **Prepare Buffers:** Use fresh, appropriate pH buffer solutions (e.g., pH 4.01, 7.00, 10.00).
2. **Enter Calibration Mode:** With the meter on and in pH mode, press the **CAL** button.
3. **Calibrate Points:** Immerse the electrode in the first buffer solution. The meter will automatically recognize the buffer and calibrate. Repeat for subsequent buffer solutions as prompted by the meter.
4. **Confirm Calibration:** Once all points are calibrated, the meter will typically confirm successful calibration.

7. Maintenance

Proper maintenance ensures optimal performance and longevity of your meter and probes:

- **Electrode Cleaning:** Regularly clean the pH electrode according to its specific instructions, especially if readings become sluggish or inaccurate.
- **Electrode Storage:** Store the pH electrode in its designated storage solution or a suitable buffer when not in use. Never store it dry.
- **Meter Cleaning:** Wipe the meter body with a damp cloth. Do not use abrasive cleaners or solvents.

- **Battery Replacement:** Replace batteries promptly when the low battery indicator appears to prevent data loss or meter malfunction.

8. Troubleshooting

If you encounter issues with your Oakton Ion 6+ meter, consider the following:

- **No Power:** Check battery installation and ensure batteries are fresh.
- **Unstable Readings:** Ensure the electrode is properly conditioned and clean. Recalibrate the meter. Check for air bubbles around the electrode.
- **Inaccurate Readings:** Calibrate the meter with fresh, accurate buffer solutions. Check the condition of the pH electrode; it may need cleaning or replacement. Ensure the ATC probe is connected and functioning correctly.
- **Error Messages:** Refer to the specific error codes in the full product manual (if available) or contact technical support.

9. Specifications

Feature	Detail
Model Number	WD-35613-82
Manufacturer	OAKTON Instruments
Package Dimensions	7 x 4 x 3 inches
Package Weight	5 Pounds
Country of Origin	United States
ASIN	B00AM2302G

10. Warranty and Support

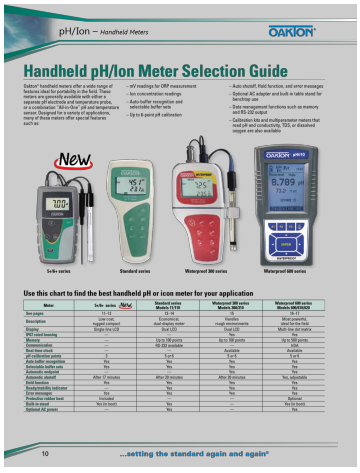
For warranty information, technical support, or service inquiries, please contact OAKTON Instruments directly or refer to their official website. Keep your purchase receipt and model number handy when contacting support.

Related Documents - WD-35613-82

	OAKTON ION Acorn Series Meters: Operating Instructions and Guide Comprehensive operating manual for OAKTON ION 5 and ION 6 Acorn Series pH/Ion Meters. Covers setup, calibration, measurement, maintenance, and troubleshooting for accurate water quality analysis.

	[Oakton Water Quality Testers & Meters Catalog | Cole-Parmer] Explore the comprehensive range of Oakton water quality testers and meters from Cole-Parmer, featuring advanced pH, conductivity, and ORP measurement solutions for accurate analysis.
	[Oakton DO250/DO260 Dissolved Oxygen Meter Instruction Manual] Comprehensive instruction manual for the Oakton DO250 and DO260 Dissolved Oxygen Meters, covering product overview, basic operations, calibration, data management, setup, maintenance, troubleshooting, and safety precautions.
	[Oakton 300 Series Handheld Water Quality Meter Instruction Manual] Instruction manual for Oakton 300 Series handheld water quality meters (models 350, 360, 380). Covers operation, calibration, maintenance, safety, and specifications for accurate water analysis.
	[OAKTON 410 Timer with Alarm: Operating Instructions and Specifications] Comprehensive operating instructions and specifications for the OAKTON 410 Timer with Alarm (Model WD-35002-00), detailing its features, button functions, timing modes, and alarm settings.
	[OAKTON pH 700 pH/ORP/TEMP Meter Operating Instructions] This document provides comprehensive operating instructions for the OAKTON pH 700 pH/ORP/TEMP meter, covering its features, calibration, measurement procedures, troubleshooting, and technical specifications.

Documents - Oakton – WD-35613-82



[pdf] Guide

Oakton pH Ion Handheld Meters Selection Guide WD 35613 82 Style Hand Held ProcessControlExperts pHIon assets tequipment net 1 7 |||

pH/ Ion Handheld Meters Handheld pH/Ion Meter Selection Guide Oakton handheld meters offer a wide range of features ideal for portability in the field. These meters are generally available with either a separate pH electrode and temperature probe, or a combination All-in-One pH and temperature ...

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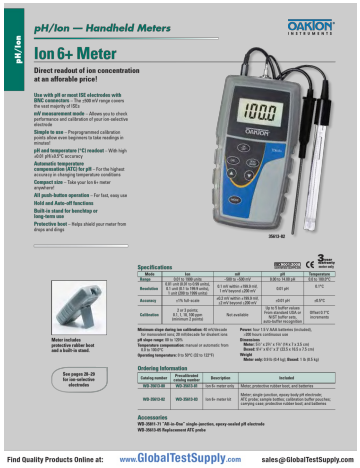

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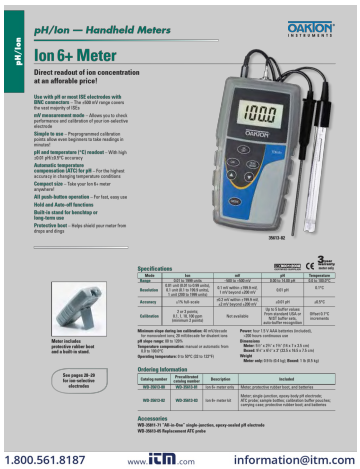

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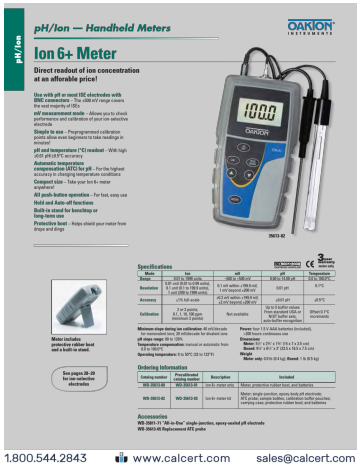

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[pdf] Specifications Catalog

Oakton Instruments Catalog 2014 15 Nova Tech InternationalWD 35630 90 WD 91 pH CON 450 meter kit with separate probes Meter 52 Page 67 Get more information at 4oaktonnovatech usa srsltid AfmBOooJLMNi5vL mDwSLi00qE8qM8 ClqU03CiHOq9SNdo IIvWUU g InternationalOakton 4oaktonWD gnovatech AfmBOop62T44lxEe3RjLREFRIov4C0aQHDWeUCaMYw8vmIfDMQYe6WZj 4oaktonAccess detailed on new products as soon they become available Download operating manuals and product specifications for every novatech AfmBOop62T44lxEe3RjLREFRIov4C0aQHDWeUCaMYw8vmIfDMQYe6WZjnovatech AfmBOooKlK5f0gdO2ocexTj3Xex2 Fnj5xnU n ivX8g WMs8upDUu2C every The catalog includes Ion Dissolved Oxygen Multiparameter Turbidity Colorimetry Conductivity TDS instrumentsnovatech WMs8upDUu2Cnovatech AfmBOorzhcndkDQLg8oS7JogEhfBgErPjG6G73vgIlsojomAysdhEWyD InternationalBoth series are in models to measure mV ion conductivity 110 510 1100 2100 35613 13 B Phono 700 2700 WD AfmBOoouO69JoBUMbbjjgrk0koIAYrtIZm6i JYjdcZCXFAIg2Od2Gpbnovatech 2700 Both AfmBOoonqi58p7ZHc0yiFBJJ5Q297DqD8HfbABLnptUTcaXuy9UtvIU4novatech International2014 CatalogBoth AfmBOorzhcndkDQLg8oS7JogEhfBgErPjG6G73vgIlsojomAysdhEWyDnovatech AfmBOoozWrrYAT9F8hJHve9OuwI57V1KCBnmNYc 1wax01CK3ypS1lex Catalog2014 1wax01CK3ypS1lexnovatech AfmBOoqoHotuoQLEGgLkwuUHaeJP85cIPKeCzWT4kpjgOUvx7W 3IK1t 3IK1tnovatech AfmBOorofH0NDQejuJM4GQvM53pw53K g4fSJyLKaXeJFePGGqkTs0G6 AfmBOorZg6zbMoA0IXLCl9aKy EjKLfWPBHwaDQxSIHhIo qyirPDrH3novatech |||

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