

## HI6221 Advanced pH & ORP Meter

Dear Customer, thank you for choosing Hanna Instruments.

For more information about Hanna Instruments and our products, visit [www.hannainst.com](http://www.hannainst.com) or e-mail us at [sales@hannainst.com](mailto:sales@hannainst.com). For technical support, contact your local Hanna Instruments office or e-mail us at [tech@hannainst.com](mailto:tech@hannainst.com).

Please scan the QR code or use the link below to download the user manual.

<https://manuals.hannainst.com/Hi6221>

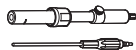


### Package Contents

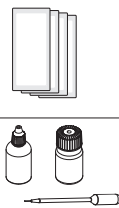
Each HI6221 is supplied with:



- HI1131B pH electrode
- HI7662-TW temperature probe
- pH 4.01 buffer solution (2 sachets)
- pH 7.01 buffer solution (4 sachets)
- pH 10.01 buffer solution (2 sachets)
- Electrode cleaning solution (2 sachets)



- Electrode storage solution (25 mL)
- 3.5M KCl electrolyte fill solution (30 mL)
- Capillary pipette (1 pc.)



- Electrode arm with base plate and screw (requires mounting)



- 24 VDC power adapter
- USB-C to USB-A cable



- Probe quality certificates
- Instrument quality certificate
- Quick reference guide

### General Description

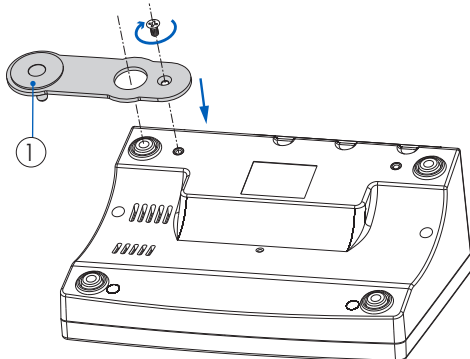
The HI6221 is Hanna Instruments advanced pH and ORP meter with a large touchscreen display and streamlined design.

### Key Features

- Application profiles allow for quick and direct measurement without updating the settings
- Log files can be transferred to a USB flash drive
- Ethernet and Wi-Fi network data sharing options

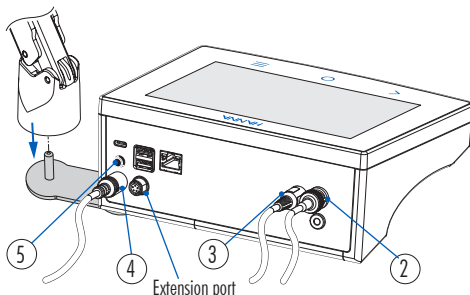
### Getting Started

i. Identify the base plate (1), place the meter face down and proceed as illustrated here.



ii. Connect the pH electrode (2), temperature probe (3), and power adapter (4) to the rear panel of the meter.

iii. Connect the power plug and press the black ON/OFF power button (5).



**Note:** Remove the transparent film that protects the capacitive touchscreen prior to operating the meter.

### System Overview

#### Hardware Flexibility

Connectors for printer, keyboard, Ethernet

#### User Interface

7-inch color display, 800 × 480 resolution

Multi-touch screen supports video playback and data plotting

#### Measurement Flexibility




User profiles

Accessible logging control

## Select Operating Language









At first power on the meter launches into a startup tutorial.  
By default English is selected.  
Use the language window to select the operating language.

## Touchscreen







Icon	Name	Function
	Back	returns user to previous hierarchical menu level exit or escape function
	Home	access to measurement screen exit or escape function
	Menu	access Users, System Settings, Log Recall, Reports, Help

## Basic Operations

General operating modes are setup, measurement, logging, data sharing.


- Tap  key to access:
  -  User settings
  -  System settings
  -  Log recall files and file management.  
User can view a single sample or an interval log session.
  -  Reports for method specific applications
  -  Help for text and video support
- Tap  key to return to measurement.
- Tap  icon (Measurement Settings) to access sensor-related functions.

## Log in & Create New Account


1. Tap  followed by .
2. Tap **Edit Users** to enter Account Management.
3. Tap  to enable Account Creation and Logins.  
Tap  to return.
4. Tap **Logout** to enter Users screen.  
“Admin” account is automatically created.
5. Tap the **plus** symbol avatar.
6. Input user name and tap .
7. Enter password and tap . Re-enter password to confirm.

## Battery Safety

The coin-cell battery is replaceable by a professional service center only.

 **WARNING**

- **INGESTION HAZARD:**  
This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if digested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH OF CHILDREN**.
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children.  
Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 85 °C (185 °F). Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Coin-cell battery type CR2032
- Nominal voltage 3.0 V

### KEEP DEVICE UP TO DATE

To introduce new features and/or performance improvements Hanna Instruments releases updated firmware versions.

To check for new releases, scan the QR code or go to:  
<https://software.hannainst.com>



Hanna Instruments is committed to developing and deploying digital solutions with a positive impact on the environment and climate.

All Hanna instruments conform to the CE European Directives and UK standards, and our production facilities are ISO 9001 certified. HI6221 is warranted for a period of two years (probes for six months) against defects in workmanship and materials when used for its intended purpose and maintained according to instructions.



Please retain for future use.

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