QUICK REFERENCE GUIDE

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 or e-mail us at sales@hannainst.com. For technical support, contact your local Hanna Instruments office or e-mail us at tech@hannainst.com.

Please scan the **QR code** or use the link below to download the user manual.
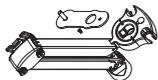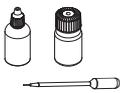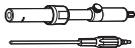
https://manuals.hannainst.com/HI6221

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.
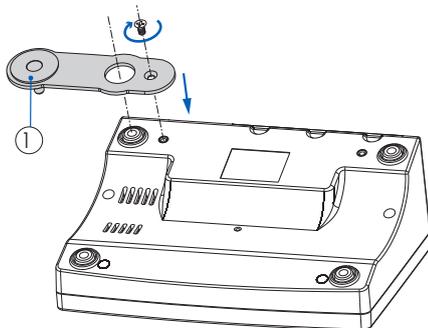
Key Features

- 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
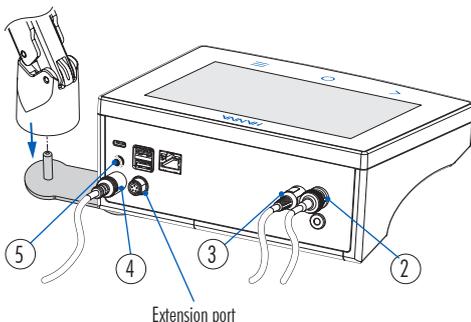
Getting Started

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

ii. Follow the user manual for electrode preparation.

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

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

Extension port

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

*This device, when running firmware version v1.3.0, is not equipped with Wi-Fi functionality. The Wi-Fi icon ( ) will not be present.

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.

Electrode Usage Guidelines

- Remove protective cap and rinse with water to eliminate salt build up.
- Check correct electrolyte level.
  Refill when level falls below ½" from the fill hole opening.
  Keep the fill hole open (1) during calibration and measurement.
- To refresh the electrode, soak in HI70300 Storage solution for at least 30 minutes.
- Keep the glass bulb (3) and junction (2) hydrated.
  Store with a few drops of storage solution in the protective cap.
- Keep the junction (2) immersed during calibration/measurement.

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.