

QUICK REFERENCE GUIDE

HI6542 preconfigured meter complete with pH/ORP/ISE and opdo[®] kit

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

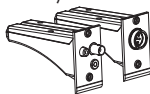
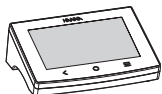
<https://manuals.hannainst.com/Hi6000>



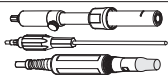
Package Contents

The HI6542 is a preconfigured meter supplied complete with:

- HI6000 housing unit
- HI6000-2 pH/ORP/ISE hardware module (installed)
- HI6000-4 DO hardware module (installed)



- HI1131B pH electrode
- HI7662-TW temperature probe
- HI7641133 optical DO probe



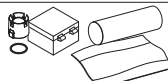
- pH 4.01 buffer solution, 2 sachets
- pH 7.01 buffer solution, 4 sachets
- pH 10.01 buffer solution, 2 sachets
- Electrode cleaning solution, 2 sachets



- pH & ORP electrode storage solution (25 mL)
- 3.5M KCl electrolyte solution (30 mL)
- Capillary pipette, 1 piece



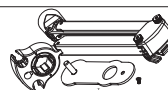
- DO Smart Cap with O-ring, 1 pc. of each
- Calibration/storage vessel, 1 piece
- Lens cleaning wipe, 1 piece



- Syringe and sachet with silicone grease, 1 piece of each



- Electrode holder with base plate, screw, cable holder clip (requires mounting)



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



- Meter quick reference guide
- Hardware modules quick reference guides and quality certificates
- Smart Cap, probes, and meter quality certificates

Key Features

- User profiles configuration for quick and direct measurement
- Log files can be transferred to a USB flash drive
- Ethernet and Wi-Fi network data sharing options

Hardware flexibility

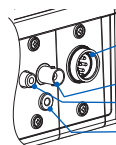
Four hardware modules are available and up to three modules can be installed at the same time. Hardware modules and preconfigured meters can be ordered from your local sales office.

Module	Parameter	Method-Specific Applications
HI6000-1	pH/ORP	—
HI6000-2	pH/ORP/ISE	Incremental Methods for ISE applications
HI6000-3	Conductivity	USP <645>
HI6000-4	Dissolved Oxygen	Oxygen Uptake Rate (OUR)
		Specific Oxygen Uptake Rate (SOUR)
		Biological Oxygen Demand (BOD)

Getting Started

A. Place the meter face down and attach the electrode holder base plate (1).

B. Connect the electrodes, external stirrers (magnetic or overhead), and power adapter to rear panel of the meter.

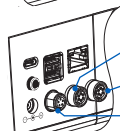


DIN connector port > dissolved oxygen probe

BNC connector port > pH/ORP/ISE electrode

RCA connector port > temperature probe

Reference electrode port



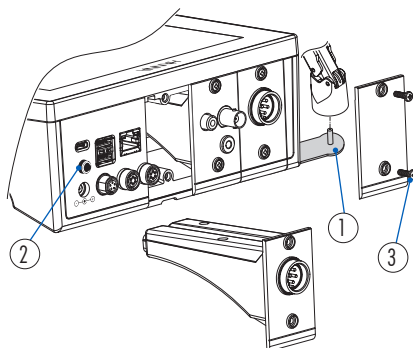
Right stirrer port

Left stirrer port

Extension port

C. Connect the power plug and press the black ON/OFF power button (2).

Notes: Remove the transparent film that protects the capacitive touchscreen prior to operating the meter. Keep empty modules locations protected (3).



System Overview

Hardware Flexibility & Expandability

Three hardware modules can be installed

Connectors for external stirrers, 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

Application specific reports

Three hardware modules can be viewed at one time

Module status indicated on bottom of display




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.



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. HI6542 is warranted for a period of two years (electrode and probe six months) against defects in workmanship and materials when used for its intended purpose and maintained according to instructions.



Please retain for future use.

QR6542 08/24

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>

