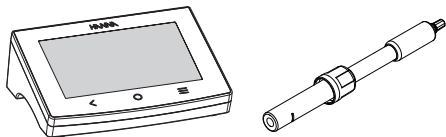


Dear Customer, thank you for choosing Hanna Instruments.

Package contents

- HI6421P
- HI764833 polarographic DO probe



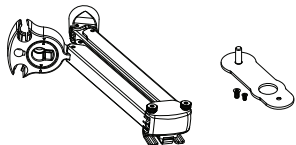
- Membrane cap and O-ring (2 pcs.)



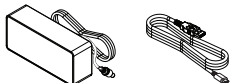
- Electrolyte solution, 30 mL (1 pc.)



- Electrode arm with base plate and screws (mounting)



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



- Probe quality certificate, instrument quality certificate, quick reference guide



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



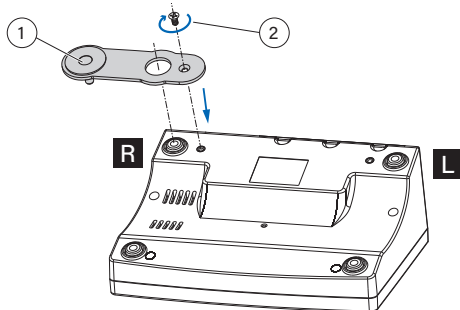
Please scan the QR code or follow the link to download the user manual.

<https://manuals.hannainst.com/Hi6421>



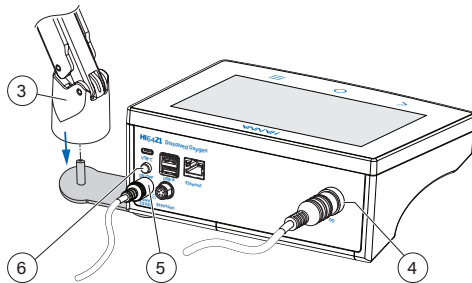
Getting started

Identify the base plate (1) — to be attached to the L or the R side — and mounting screw (2) and proceed as illustrated here.





With the arm holder (3) in position and the pH electrode (4) and temperature probe (5) plugged in, connect the power cable (6) and plug into the mains. Press the ON/OFF button (7) to start.

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



Operating language & Access to support

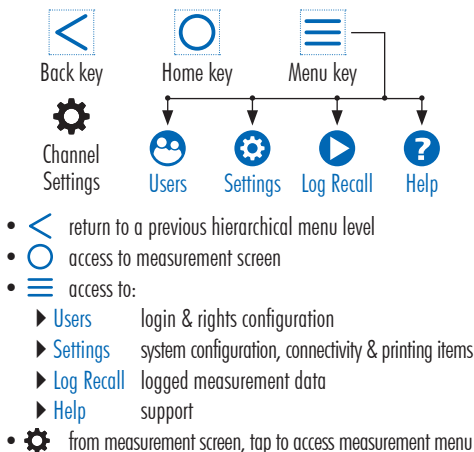
- At first power on default operating language is English. Browse the language window and select operating language from list of supported options.
- To access support, tap  and select .

On first access the benchtop's name is used as default user name and no password is required.

Device handling & Safety precautions

- Transport the unit with all cables removed
- Do not puncture the capacitive touchscreen
- Do not insert objects into the ports, spaces around keys other than the intended cable, USB drive

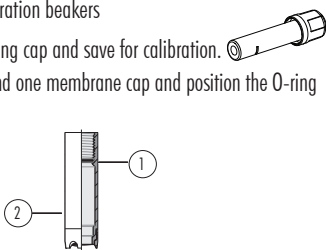
Capacitive touchscreen



Probe usage guidelines & Calibration tips

Accessories: membrane cap and O-ring, electrolyte solution, zero oxygen solution, calibration beakers

- Unscrew the shipping cap and save for calibration.
- Take one O-ring and one membrane cap and position the O-ring (1) in the cap (2).



- Rinse the membrane cap with electrolyte and discard.
- Fill the cap, above the O-ring, with electrolyte and tap the side walls to dislodge bubbles that may adhere to the threads.
- Over a sink, with the cathode facing down, screw the cap counter clockwise until the threads are fully engaged.
- Rinse the probe and inspect the membrane for trapped bubbles. If any, discard the electrolyte, refill, and tap the sides. Reinstall.

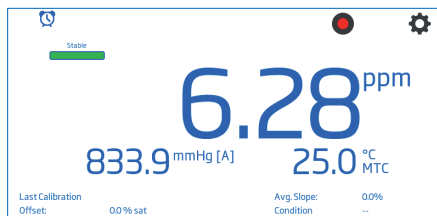
Calibration tips

- Ensure the probe is correctly plugged in and turn on the meter.
- Allow 15 minutes for probe polarization conditioning.

- **100% saturation** calibration: pour some water into supplied cap and screw the cap onto the probe, kept in vertical position. Allow 15 minutes for air to become water saturated.
- **0% saturation** calibration: pour HI7040 zero oxygen solution into a beaker and gently stir for 2-3 minutes. Gently tap the probe to dislodge any air bubbles.
- Wait for stable reading to calibrate.

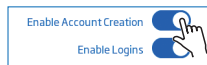
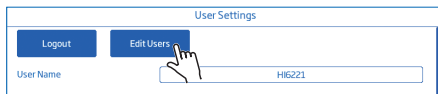
Measurement tips

- Work with recently calibrated probes.
- Place probe in sample and allow 1 minute for reading to stabilize.
- For accurate measurements the membrane needs constant oxygen replenishment. Ensure adequate water movement either manually or by use of a stirrer.



Logging in & Creating a new account

1. Power the meter and tap **Stop**.
2. Tap **≡** followed by **👤**.
3. Tap **Edit Users** to enter Account Management.
4. Tap **🔘** to enable Account Creation and Logins. Tap **<** to return.



5. Tap **Logout** to enter Users screen. Tap the plus symbol avatar.



6. Input user name and tap **↩**.
7. Enter password and tap **↩**. Re-enter password to confirm.