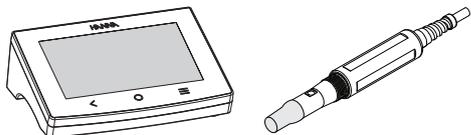


Dear Customer, thank you for choosing Hanna Instruments.

### Package contents

- HI6421
- HI7641133 optical DO probe



- DO Smart Cap with O-ring (1 pc., each)



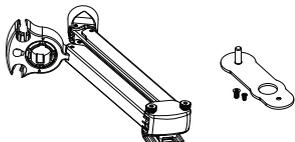
- Calibration beaker (1 pc.)
- Lens cleaning wipe (1 pc.)



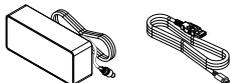
- Syringe and sachet with silicone grease (1 pc., each)



- 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.

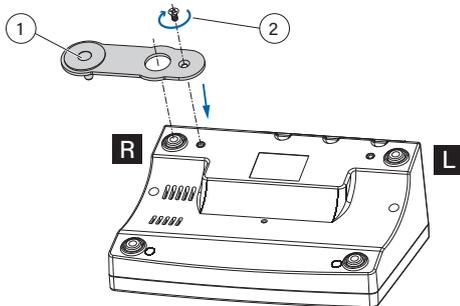


Please scan the QR code or follow the link to download the user manual.  
<https://manuals.hannainst.com/Hi6421>



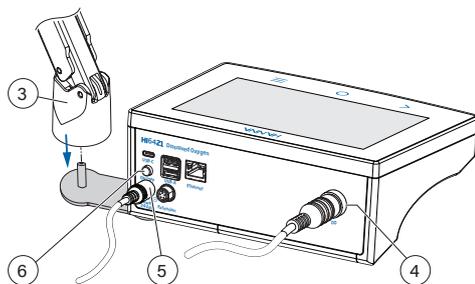
### Getting started

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 probe (4) plugged in, connect the power cable (5) and plug into the mains. Press the ON/OFF button (6) to start.

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



### Operating language & Access to support

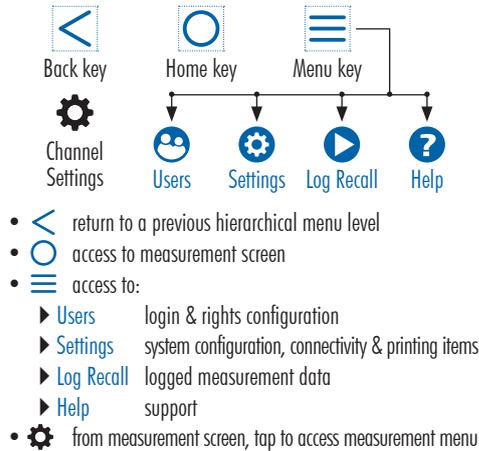
- At first power on default operating language is English. Browse the language window and select operating language from list of supported options.
- To access support, tap  and select .

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



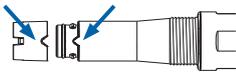
## Probe usage guidelines & Calibration tips

**Accessories:** Smart Cap and O-ring, syringe and sachet with grease, purified water, lens wipe, zero oxygen solution, calibration beakers

1. Remove the shipping cap.
2. Slide the O-ring on the probe tip. Do not roll or twist the O-ring.
3. Use syringe to sparingly lubricate the O-ring with grease. Avoid getting grease or fingerprints onto the optical window.



4. Align the cutout arrow on the Smart Cap with the guide on the probe body.



5. Press the Smart Cap onto the probe body until it snaps in place. Handle cap with care!
6. Place the probe in purified water for a minimum of 2 hours to hydrate the Cap before use.

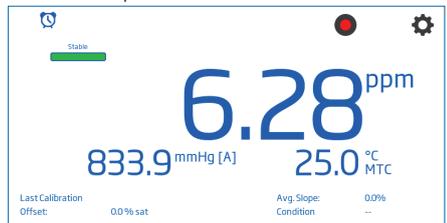
### Calibration tips

- Ensure the probe is correctly plugged in.
- Rinse with purified water prior to calibration and shake water droplets off the probe.

- **100% saturation** calibration: pour some water into supplied calibration beaker, just enough to moisten the sponge at the bottom of the beaker. Screw the beaker onto the probe. Allow 15 minutes for air to become water saturated.
- **0% saturation** calibration: pour **HI7040** zero oxygen solution into a beaker and stir gently 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.
- Set Salinity value if measuring ocean or brackish water samples.
- Carefully lower the probe into sample so no trapped air bubbles at the Smart Cap.

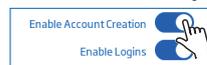


## Logging in & Creating a new account

1. Power the meter and tap **Skip**.
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.

All Hanna instruments conform to the CE European Directives and UK Standards, and our production facilities are ISO 9001 certified. **HI6421** is warranted for a period of two years and the probe for six months against defects in workmanship and materials when used for their intended purpose and maintained according to instructions. For technical information e-mail us at [tech@hannainst.com](mailto:tech@hannainst.com). Visit [www.hannainst.com](http://www.hannainst.com) for more information about Hanna Instruments and our products.



Please retain for future use.

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