LAQUA

Quick Guide

LAQUA 200 Series
EC210/220 & PC210/220
Handheld Meters
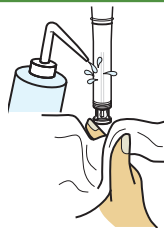

EC210

www.horiba-laqua.com

HORIBA
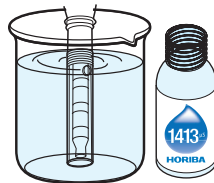Scientific

Conductivity Calibration & Measurement

1. Rinse the conductivity electrode with clean water and blot using lint-free tissue to remove excess water.

2. Immerse the conductivity electrode in standard solution.

Perform calibration using a standard solution that has a conductivity value close to the expected sample value.

For multi-point calibration, start with the lowest conductivity standard. Move to standards with increasing conductivity values.
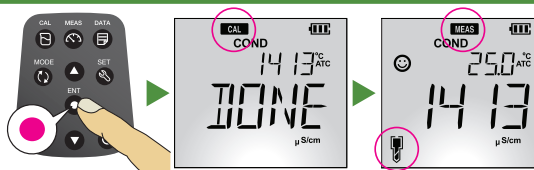

3. Press CAL button on the meter to switch to calibration mode.

The screen will display the calibration type briefly and the ☺ will start blinking until the reading stabilizes.

4. Press ENT button to confirm the conductivity reading. To abort calibration, press MEAS key.

The meter will switch to measurement mode and the electrode icon will appear on the screen.
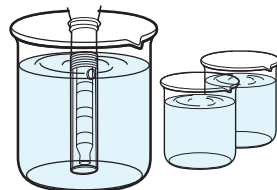

5. Repeat step nos. 1 to 4 to perform calibration with the next standard solution(s).

The meter allows up to 4 points for auto calibration and up to 5 points for manual calibration.

6. Rinse the conductivity electrode with clean water and blot using lint-free tissue to remove excess water.

7. Immerse the conductivity electrode in sample.

Make sure that the uppermost black ring in the conductivity electrode body is immersed in sample and there are no bubbles trapped within the electrode.
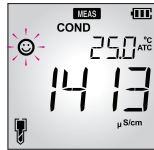
Cell Constant Setting

SET
P 1.1
CELL

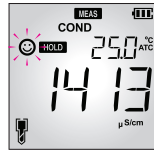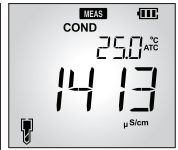## Conductivity Calibration

CAL
COND
25.0 °C ATC
1413
µS/cm

Conductivity Calibration Data

CAL   DATA
CAL
DATA

Measurement Modes

MEAS
COND
25.0 °C ATC
1413
µS/cm

Auto Stable

MEAS
COND
HOLD
25.0 °C ATC
1413
µS/cm

Auto Hold

MEAS
COND
25.0 °C ATC
1413
µS/cm

Real Time

VIDEO   VIDEO   VIDEO   VIDEO   VIDEO   VIDEO

Conductivity Setup

LAQUA

MEAS
COND
25.0 °C ATC
1413
µS/cm

HORIBA
Press

CAL   MEAS   DATA
MODE   SET
EC210

P6 CLK*
- P6.2 TIME – Set time
- P6.1 DATE – Set date

SET
P6
CLK

P5 GEN
- P5.4 RSET – Reset meter
- P5.3 °C/°F – Select temperature unit
- P5.2 A.OFF – Set auto shut-off time
- P5.1 STBL – Select measurement mode

SET
P5
GEN

P4 DATA
- P4.3 D.CLR – Erase data log
- P4.2 PRNT – Print data log
- P4.1 LOG – Set data log interval

SET
P4
DATA

P3 SAL
- P3.3 C.CLR – Erase CAL data
- P3.2 TYPE – Select salinity curve
- P3.1 UNIT – Select salinity unit

SET
P3
SAL

P2 TDS
- P2.2 UNIT – Select TDS unit
- P2.1 FACT – Select TDS curve

SET
P2
TDS

P1 COND
- P1.6 C.CLR – Erase CAL data
- P1.5 T.REF – Set reference temperature
- P1.4 T.CFF – Set temperature coefficient
- P1.3 A.CAL – Switch on / off auto cal
- P1.2 UNIT – Select conductivity unit
- P1.1 CELL – Set cell constant

SET
P1
COND

Press

CAL   MEAS   DA
MODE   SET
ENT

Press up or down buttons to scroll through settings
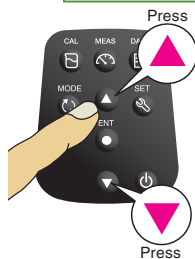
Press

Press ENT button to confirm settings

CAL   MEAS   DATA
MODE   SET
ENT

Press

*Available in 220 models only