LAQUA
Quick Guide

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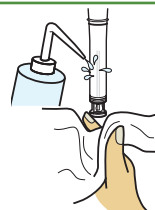
LAQUA

MEAS
COND
☺ 25.0 °C ATC
1413
μ S/cm

HORIBA
Scientific

CAL   MEAS   DATA

MODE   SET

ENT

EC210

www.horiba-laqua.com

HORIBA
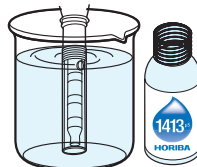Scientific

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.

Press

CAL   MEAS   DATA
MODE   SET
ENT

▶   CAL
    AUTO

▶   CAL
    COND
    25.0 °C ATC
    1413
    μ S/cm

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.

CAL   MEAS   DATA
MODE   SET
ENT

▶   CAL
    COND
    1413 °C ATC
    DONE
    μ S/cm

▶   MEAS
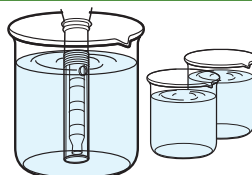   COND
    ☺ 25.0 °C ATC
    1413
    μ S/cm

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 [battery]
P1.1
CELL

Conductivity Calibration

CAL [battery]
COND [smiley] 25.0 °C ATC
1413
µS/cm

Conductivity Calibration Data

CAL DATA
CAL
DATA

Measurement Modes

MEAS [battery]
COND [smiley] 25.0 °C ATC
1413
µS/cm
Auto Stable

MEAS [battery]
COND HOLD [smiley] 25.0 °C ATC
1413
µS/cm
Auto Hold

MEAS [battery]
COND 25.0 °C ATC
1413
µS/cm
Real Time

[VIDEO QR code] [VIDEO QR code] [VIDEO QR code] [VIDEO QR code] [VIDEO QR code] [VIDEO QR code]

Conductivity Setup

LAQUA

MEAS [battery]
COND [smiley] 25.0 °C ATC
1413
µS/cm

HORIBA Scientific   Press

CAL MEAS DATA
MODE   SET

EC210

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

SET [battery]
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 [battery]
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 [battery]
P4
DATA

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

SET [battery]
P3
SAL

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

SET [battery]
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 [battery]
P1
COND

Press up or down buttons to scroll through settings

Press
[up arrow]
CAL MEAS DATA
MODE ENT SET
[down arrow]
Press
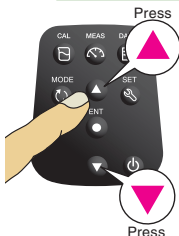
Press ENT button to confirm settings

CAL MEAS DATA
MODE ENT SET
Press

*Available in 220 models only