# **CONNECTION EC-SENSOR EC5105 ON CONTROLLER EC3040**

#### **CABLE CONNECTION**

| Brown/Red         | 23 |
|-------------------|----|
| Black Transparent | 25 |
| Orange            | 27 |
| Yellow            | 28 |
| Green             | 29 |
| Black Shield      | 29 |

#### **POWER SUPPLY**

| 86 / 220 Vac | : | 1 and 2 |
|--------------|---|---------|
| Ground       | : | 3       |

### SET-UP REFERENCE TEMPERATURE

| The reference temperature has a factory value of 20°C. If you use the calibration liquid of, for |
|--|
| example, Nieuwkoop BV (with reference temperature 25°C), please set the reference                |
| temperature to 25°C as follows:  |

| MODE |
|------|
| ESC  |

Press this key 2 times, display will show SEL-UP PrESS Ent

ENT Press this key once,

| display will show Pf | 155 (if the password is not used, please press | ENT | again) |
|----------------------|--|-----|--------|
|                      |  |     | -      |

₽ress this key 3 times to go to option 2.3,

display will show 2.3 rEF. LENP., followed by PC 20.0

| L | _ |
|---|---|
| • |   |

or Press to select the value (25.D)

| ENT |
|-----|
|-----|

Press to confirm (UPdRLE will appear)

MODE

Press 4 times to go back to the main menu

## **CONDUCTIVITY CALIBRATION**

By keeping the clean and dry sensor in air, the display will show  $\square$  .

If the readout is different than zero, it is possible to perform the following zero calibration:

ZERO By pressing this key, the unit will show the following message:

| 2Ero | ERL., | followed by the actual conc  | luctivity value or | ERL. | OFF | if the | calibration | function has |
|------|-------|------------------------------|--------------------|------|-----|--------|-------------|--------------|
| been | disa  | bled in the set up menu (dis | play S1.1)         |      |     |        |             |              |

| Press      | s to confirm | as soon as | s the valu | e is stable | (please r  | note that it | takes abo | out 20 se | conds |
|------------|--------------|------------|------------|-------------|------------|--------------|-----------|-----------|-------|
| and is rec | ıdy as soon  | as UPdALE  | appears)   | and to end  | d the cali | bration      |           |           |       |

| By pressing this key, the unit will show the following message:                                    |
|--|
| 5En5. [AL., followed by the actual conductivity value, or [AL. DFF if the calibration function has |
| been disabled in the set up menu (display S1.1)  |
| or Press to change the value according to the standard solution value                              |
|  |

Press to confirm (UPdALE appears) and to end the calibration



#### NIEUWKOOP

## ADJUSTING RANGE

Press this key 3 times,

display will show [OnFI & PrESS Ent

Press this key once,

display will show PR55 (if the password is not used, please press 🛤 again)

₽T Press this key once,

Display will show 1.2 SEALE followed by the actual setting

or **Press** to change the range

Press to confirm (UPdRLE appears)

Press to 3 times to return to the main menu

## SET POINT CALIBRATION

SETT

or By pressing this key, the unit will show the following message:

5EL I (5EL2) Lo or H, (depending on the configuration done in display C3.1 of C3.2), followed by the actual value

or Press to change the value

[RL. OFF will appear if the calibration has been disabled in the set up menu (display S1.1)

Press to confirm (UPdALE appears) and to end the calibration

## **COMPLETE USER MANUAL**

Scan the QR code for the complete user manual.



