

CONNECTION EC–SENSOR EC5105 ON CONTROLLER EC3001

CABLE CONNECTION

EC-sensor with temperature compensation:

Brown/Red	10
Orange	13
Yellow	14
Transparent	Not connected
Green	15
Black/Transparent	11
Black Shield	15

POWER SUPPLY

10/30 Volt DC :2 (-) and 3 (+) TAKE CARE!!!

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 (which has a reference temperature of 25°C), please set the reference temperature to 25°C as follows:

ZERO

MODE Press this key 2 times, display will show **Set-up**

ENT Press this key 6 times, display will show **Temp.Ref**, followed by **20°C**

SENS

^ or **v** Press to select the value (**25°C**)

ENT Press to confirm, (**UPDATE** will appear)

ZERO

MODE Press 4 times to go back to the main menu

CALIBRATION

ZERO:

When the sensor is not immersed into a solution, the controller should show 0. If the controller does not show 0, we can recalibrate it to 0 as follows.

MAKE SURE THAT THE SENSOR IS CLEAN AND DRY!!!!

ZERO

MODE Press this key for 8 seconds, display will show **Zero Cal**, followed by the actual value

ENT Press to confirm, display will show **Zeroing** 0-5 and is ready as soon as **UPDATE** appears



SPAN:

After the connection of the controller, we need to calibrate with a buffer solution. Please check if the reference temperature is 20°C or 25°C!!

- 1) Immerse sensor into the calibration liquid and wait for ± 30 seconds (because of automatic temperature compensation).
- 2) When the value is stable, the controller can be adjusted according to the value of the calibration liquid as follows:

SENS
 Press this key for 8 seconds, display will show **Sens Cal**, followed by the actual value.
Wait for the stabilization of the value

SENS
 or  Press to select the value, display will show value (xx.xx.mS)

 Press to confirm, display will show **Wait** and is ready when **UPDATE** appears.

ADJUSTING RANGE

ZERO
 Press this key 3 times, display will show **Config.**

 Press this key 3 times, display will show **EC SCALE**, followed by the actual value

SENS
 of  Press to select the value

 Press to confirm, display will show **UPDATE**

ZERO
 Press 3 times to return to the main menu

COMPLETE USER MANUAL

Scan the QR code for the complete user manual.

