

CONNECTION EC–ELECTRODE EC5105 ON CONTROLLER EC3000

SENSOR

EC-sensor with temperature compensation:

Brown/Red	10
Orange	4
Yellow	5
Black Shield	6
Green	6
Black Transparent	13
Transparent	Not connected

- The resistors between the numbers 3-4 and 5-6 have to be removed. When manual temperature compensation is requested, replace the resistors again.

POWER SUPPLY

10/30 Volt DC : 1 (+) and 2 (-) TAKE CARE!!!

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 with set screw "ZERO".

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

SPAN:

After the connection of the Controller, we need to calibrate with a buffer solution.

- 1) Immerse electrode into the calibration liquid (floating) and wait for 30 seconds (because of automatic temperature compensation).
- 2) When the value is stable, the controller can be adjusted with set screw "SENS" according to the value of the calibration liquid.

The temperature compensation reference is 20°C.

If you use the calibration fluid of, for example, Nieuwkoop BV (EC1413µS), please set the value to EC1278µS.

SETTING OF THE RANGE

The range can be selected with the jumpers, see page 8 of the manual.

The standard factory setting is 2000 µS.

COMPLETE USER MANUAL

Scan the QR code for the complete user manual.



NIEUWKOOP