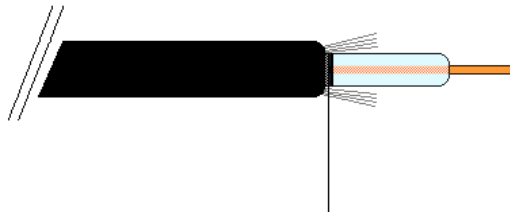


# CONNECTION pH-SENSOR PH5510 ON CONTROLLER PH3005

## **CABLE CONNECTION**

Connect pH-sensor, if the BNC connector is not used:

pH-electrode SZ1093



Take care, when stripping the cable, that the black carbon casing is stripped as far as possible. This otherwise can cause trouble during measurements.

Nieuwkoop BV Aalsmeer Holland

Shield wire	17 LO
Central wire	18 HI

-The resistors between 11-12 en 13-14 should be placed. If an sensor with temperature compensation is used, remove the resistors again.

## **POWER SUPPLY**

220 Volt : 1 en 3 TAKE CARE!!!

Ground : 4

## **CALIBRATION**

After the connection of the controller, we need to calibrate with pH calibration liquid (pH-4 and pH-7).

### ZERO:

Immerse sensor into the calibration liquid pH-7 and calibrate according to the list on the bottle by rotating the set screw "ZERO" (for instance 20°C – 6.88 pH).

### SPAN:

Clean the sensor with demiwater and immerse into the pH-4 solution. Calibrate according to the list on the bottle by rotating the set screw "SENS".

Clean the sensor with demiwater and immerse into the pH-7 solution again and check if the value is still the same. When the value is not the same, repeat the calibration procedure.

The PH3645 controller is now ready for use.

Note: when it is not longer possible to calibrate the PH3645 with the pH-7 as well as the pH-4 calibration liquid, you should replace the pH-sensor.



NIEUWKOOP

### **SET POINT CALIBRATION**

By pressing the button on the front of the controller, the unit will show the set point value. This can be adjusted by pressing the button and turning the blue set screw to the right value. The red LED will turn **on** when the monitored value is above the set point value

If desired, this setting can also be changed. Switch M should be adjusted to 1 at the bottom of the controller (instead of ON).

### **COMPLETE USER MANUAL**

Scan the QR code for the complete user manual.

