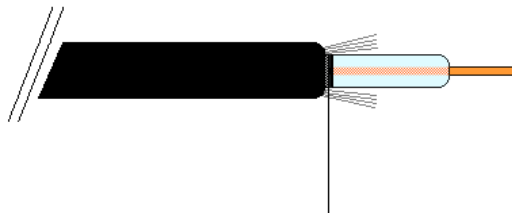# CONNECTION pH-ELECTRODE PH5510 (SZ1093) ON CONTROLLER PH3030 (PH7685.010)

CABLE CONNECTION
Connect pH-electrode, 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 measements.

Nieuwkoop BV   Aalsmeer   Holland

Shield wire	21
Central wire	22

-The black carbon casing should be stripped as far as possible

POWER SUPPLY
220 Volt	: 1 en 3	TAKE CARE!!!!
Ground	: 4	

CALIBRATION
Make sure that the keyboard is "UNLOCKED", this is the default setting but the user van also lock this.
The PH7685 is set to AUTO calibration by default.
After the connection of the pH-controller, you need to calibrate with pH calibration fluids (pH-4 and pH-7).

MANUAL CALIBRATION

`MODE DISP` Press this key 2 times, display shows `xx.xxpH  xxxxmV`

`CAL` Press this key and press `▲` or `▼` to select `CAL MODE: MANUAL`

Confirm with `ENT` Display shows `UPDATE` and `M` is flashing

`MODE DISP` Press this key 4 times, display shows `Z: x.xxpH S:xxx%,`
Place the sensor in the pH-7 fluid.

`CAL` Press this key once, display shows `CAL P1:xx.xxpH R` and `R` is flashing.
Wait until `B` appears on the display

`▲` or `▼` Press to select value "6.88" (at 20°C, see bottle) and confirm with `ENT`
Display shows `CAL P2:xx.xxpH R` and `R` is flashing.
Place the sensor in the pH-4 fluid and wait until `B` appears in the display.

`▲` or `▼` Press to select value "4.00" (at 20°C, see bottle) and confirm with `ENT`
Display shows `UPDATE`

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AUTOMATIC CALIBRATION

MODE DISP   Press this key 4 times,
display shows `Z: x.xxpH S:xxx%`, place the sensor in the pH-7 fluid

CAL   Press this key once, display shows `CAL P1:xx.xxpH R` and `R` is flashing.

Wait until `B` appears on the display and confirm with **ENT**

Display shows `CAL P2:xx.xxpH R` and `R` is flashing.

Place the sensor in the pH-4 fluid, wait until `B` appears on the display and confirm with **ENT**

Display shows `UPDATE`

The controller is now ready for use. Good luck!

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