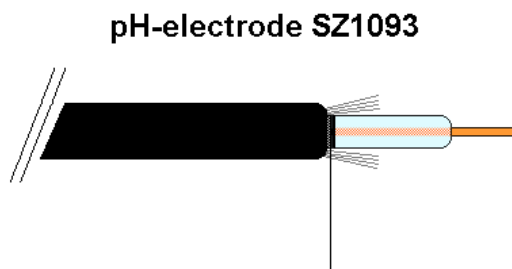


CONNECTION pH-ELECTRODE PH5510 (SZ1093) ON CONTROLLER PH3005 (PH3645)

CABLE CONNECTION

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



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

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Shield wire	17 LO
Central wire	18 HI

-The resistors between 11-12 en 13-14 should be placed. If an electrode 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 fluid (pH-4 and pH-7).

ZERO:

Immerse electrode into the calibration fluid pH-7 and calibrate according to the list on the bottle by rotating the set screw "ZERO" (for instance 20°C – 7.00 pH).

SPAN:

Clean the electrode 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 electrode 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 fluid, you should replace the pH-electrode.



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).

