

14. Conductance compensation

The parameters for conductance measurement can be set on the menu.
Please proceed as follows:

- Press the down arrow key until the date is displayed, then press ESC.
- Select LOGO! Settings, then select Program and finally Set Parameter:

EASYRO Industry (Series 150, 300, 600)

Parameter B182+185

EASYRO House (Series 120, 240, 480)

Parameter 48

V1 is the amplified analogue value from the measuring probe (do not change)

V2 is the multiplier for the recalculation (do not change)

V3 is the correction value for the conductance display, which is calculated as follows:

$$V3 = 100 + \left(1 - \frac{\text{Outlet conductance on hand-held meter}}{\text{Displayed conductance}}\right) \times 100$$

Example 1:

Outlet conductance measured : 35 μ S

Displayed conductance : 48 μ S

Calculation: $100 + (1 - 35:48 = 0.7291666666666667, \text{ then } \times 100) = 127$

The result of 127 means that the displayed conductance is 27% too high, so V3 must now be set to the value 127 so that the display is correct again.

Example 2:

Outlet conductance measured : 48 μ S

Displayed conductance : 35 μ S

Calculation: $100 + (1 - 48:35 = 1.371428571428571, \text{ then } \times 100) = 63$

The result of 63 means that the displayed conductance is 37% too low, so V3 must now be set to the value 63 so that the display is correct again.