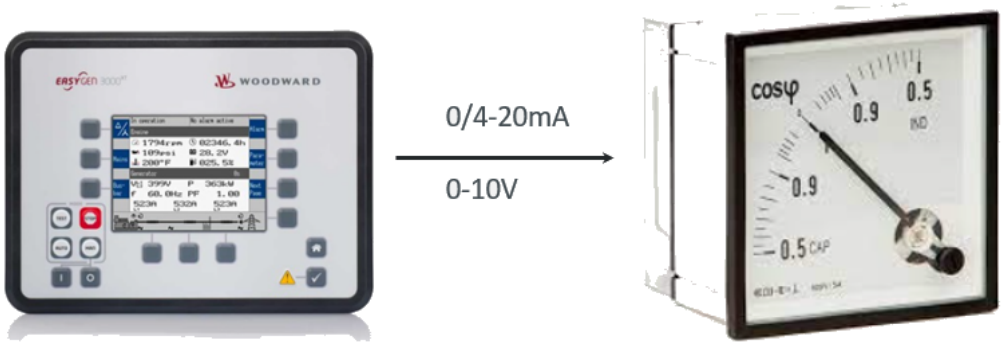
I want to use easYgen-3000XT's scaleable analog output to show powerfactor on an external instrument

Clemens - 2024-09-27 - easYgen-3000XT

We would like to show easYgens generator power factor cosphi via analog output on an external instrument .

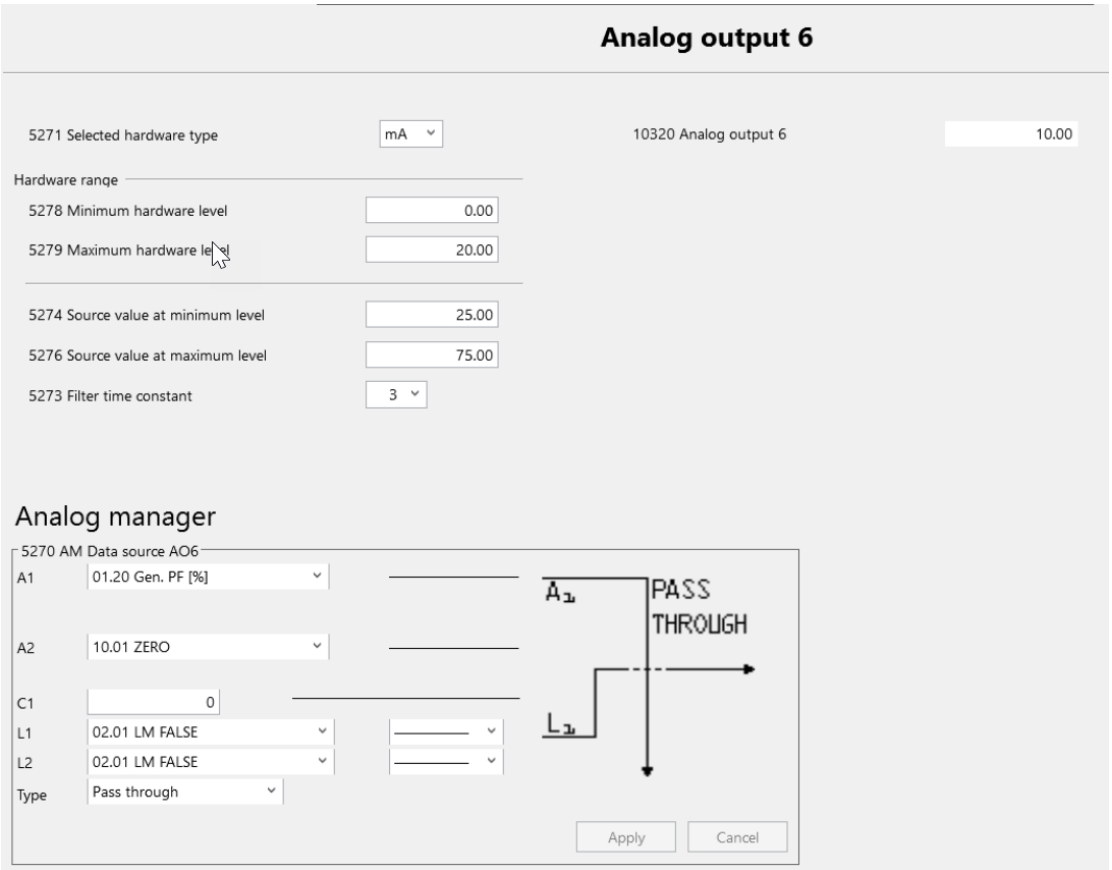


For this we use easYgen's analog output 6 (0-20mA).
The analog display has an input of 0-10V.
0-10V voltage we are getting by adding a 500Ω resistor. (I=U/R)

PF 0,5 kap. 0mA 0V
PF 1 10mA 5V
PF 0,5 ind. 20mA 10V

Please add 01.20 Gen PF % in the AnalogManager of ToolKit and set the min and max values accordingly.

 In your example it would look like this...
(50% =5V= corresponds to PF=1)



See as well this article:

https://support.easygen.org/en/kb/articles/i-want-to-provide-a-0-4-20ma-powerfactor-setpoint-signal-to-easygen-3000xt