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

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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