

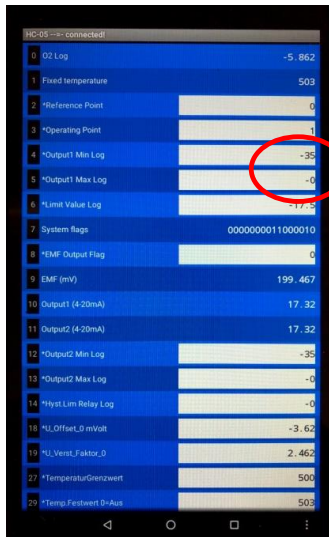
Change between linear mode and logarithmic mode for the PZA-MC sensor module

1. Remove the housing cover by loosening the upper screws
2. Insert jumper (see picture)



3. Connect the app and enter code 7865
4. Define parameters 4 and 5 (see below), measuring range in log-mode for 4 and 20mA

With the logarithmic measured value output, the measured values are assigned to the output 4 to 20 mA in a logarithmic division. The assignment is fixed and can only be changed using the app. The measured value output can take values between 10^0 and 10^{-30} . The values mean the logarithm of the oxygen partial pressure (see table below). With this representation, values are output over many orders of magnitude.



Conversion table				
%	bar	ppm	log(x)	10^x
100	1	1000000	0.00	10^0
21	0.21	210000	-0.678	
1	0.01	10000	-2.00	10^{-2}
0.1	0.001	1000	-3.00	10^{-3}
0.01	0.0001	100	-4.00	10^{-4}
0.001	0.00001	10	-5.00	10^{-5}
0.0001	0.000001	1	-6.00	10^{-6}
0.00001	0.0000001	0.1	-7.00	10^{-7}
0.000001	0.00000001	0.01	-8.00	10^{-8}

5. Close the housing

We are here for you. Addresses and Contacts.

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