



Transducer for conductivity MW22

For conductive measurement in liquids.

Programmable with **2 x current output: 0(4)...20mA** for conductance and for temperature.

0022.8200 MW22



Terminal assignment:

Terminal 1 = GND

Terminal 2 = 24VDC

Terminal 3 = GND

Terminal 4 = I1 out (0 / 4 ...20mA burden 200 Ohm)

Terminal 5 = I2 out (0 / 4 ...20mA burden 200 Ohm)

Socket = USB mini

Terminal 6 = NTC 2K

Terminal 7 = Electrode 2

Terminal 7S = Electrode 2 Sense

Terminal 8 = Electrode 1

Terminal 9 = NTC 2K

Dimensions: 82x85x50mm LxWxH

A 5-pin cable is recommended for the electrode connection. Since our standard electrodes have a 4-pin connector, the cables 7 +7S must be connected together in the electrode connector. If a 4-pin cable is used, then the terminals 7 + 7S must be bridged at the measuring transformer. In this case the cable resistance is not compensated.

The module is suitable for both DIN rail and wall mounting.

Measuring range with measuring cell: (ZK = cell constant)

CC 0,01	CC 0,1	CC 1
Measuring range selection in μS / mS /cm		200 mS
		100 mS
		50 mS
		20 mS
		10 mS
		5 mS
		2 mS
	1000 μS	1000 μS
	500 μS	500 μS
	200 μS	200 μS
100 μS	100 μS	100 μS
50 μS	50 μS	
20 μS	20 μS	
10 μS	10 μS	
5 μS		
2 μS		
1 μS		
500 nS		
200 nS		
100 nS		

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To configure the transducer, please install the LMA / MW22 software.

Download:

<https://www.imo-ag.biz/gx2/en/pH-redox-conductivity-meters/MW22/>

For the connection to your PC / laptop you need a USB A -Mini B cable.

Please note, to configure the MW22, the supply voltage of 24VDC must be applied.

Technical data: (subject to change)

Temperature compensation	Tc nat , Tc lin 0...6,0
Reference temperature	25°C
Measurement accuracy, after fine adjustment	±2% , ±1%
Operating voltage	12 / 24 VDC ± 10% see nameplate
Current consumption	< 50 mA
Galvanic isolation	Measurement input is galvanically isolated.
Cable connection	0,14...0,5 qmm max. length to LF measuring cell 10m +
Ambient temperature	-20...50°C
Degree of protection	IP 20
Weight	62 gram