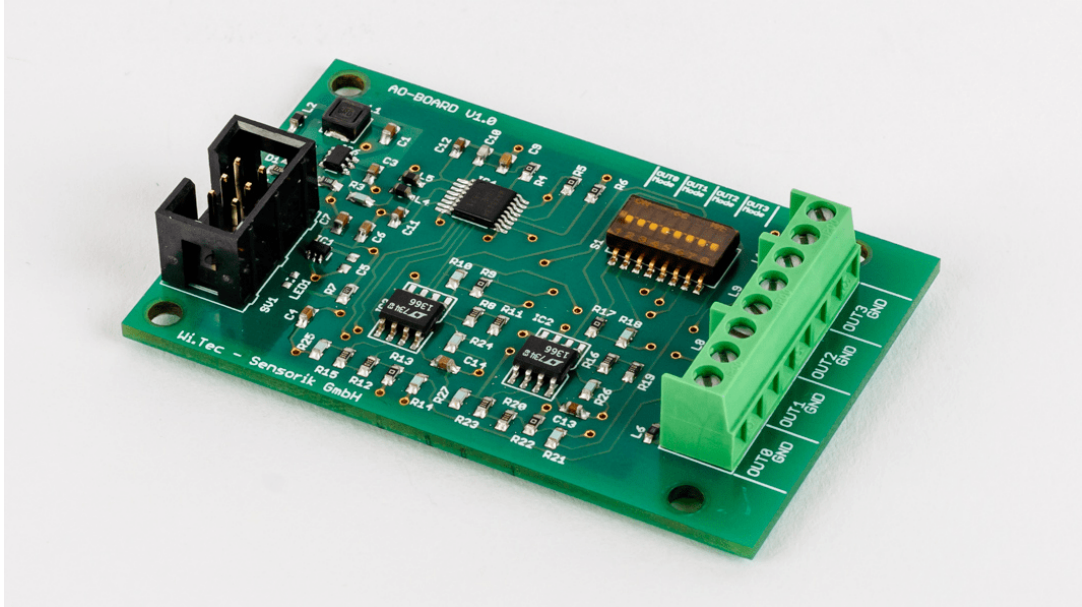


Humidity Sensor



Overview

The Analog Voltage Output Module allows the simultaneous output of up to 4 different values at 4 separate channels:

- 4 parallel signal outputs
- 3 x gas concentration signals including oxygen sensor
- 1 x value from humidity sensor
- Resolution: 16 bit
- Update rate: 1 sec

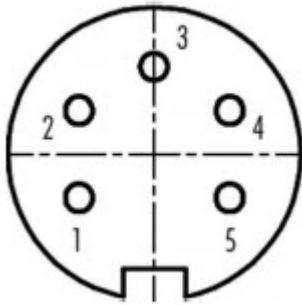
Technical Data

For connection to an analogue data acquisition device the analogue voltage output port alternatively provides the following voltage levels:

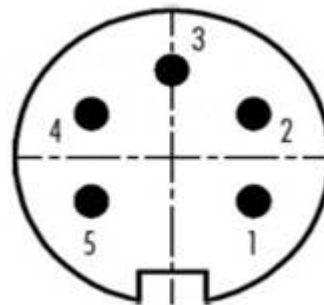
- 0 – 2 V
- 0 – 5 V
- 0 – 10 V
-

The voltage range is pre-set according to the order and cannot be changed by the user. **Please note the assignments of the respective gas concentration measurements to the respective channels. These assignments are stated in the Calibration Protocol of the sensor unit.**

Assignment of contacts to the channels of the gas concentration measurements at the socket and plug of the Analog Voltage Output:



View to socket



View to plug

Contact No.	Assignment to channel	Wire Colours of provided Connection Cable
1	channel 1	white
2	channel 2	green
3	channel 3	yellow
4	channel 4	grey
5	ground	brown

Analogue output signals of oxygen and humidity sensors:

- NDIR sensors: Channel 4 (grey wire)
- NDUV sensors: Channel 2 (green wire)

The connection cable is delivered with open wires to be connected to the analog data acquisition device of the user. The wire colours are listed in the above table.