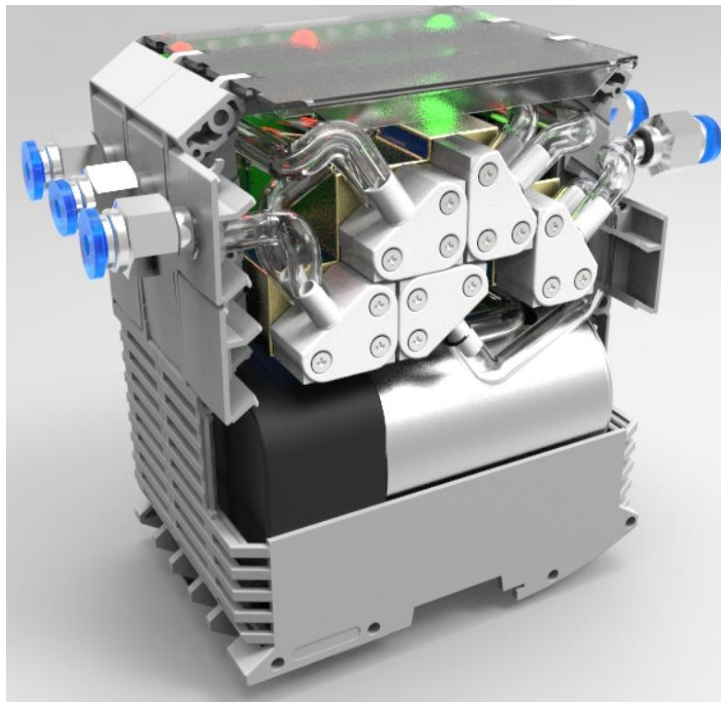


Product Description:

Expansion card for measuring O₂ concentration. This device is equipped with 6 air channels that suck air into the O₂ concentration sensor. The electronics placed in the device control the opening of the appropriate valves and the operation of the pump. (valves, pump and sensor are placed in the card). We only bring air ducts (6 pcs.) from places in the installation that we want to measure to the card.

Concentration measurement is carried out using a maintenance-free optical sensor, which is characterized by high accuracy of measurements and long service life even in difficult conditions such as compost installations.




Technical specification:

Supply voltage:	12 VDC, 5VDC
Current consumption:	2A in peak
Power circuit protection:	4 A
Connectors:	6 air entrances, DC+ (5V), DC+(12V), GND, CAN H, CAN L
Delay when switching on the power supply:	0.5 s
O₂ sensor parameters	Measuring range: 0-25% Accuracy: 0.01% Lifespan: >5 years
Settings:	Configurable card from the software

Indicators:	6 LEDs indicating the opening of the input, 1 universal diode indicating the operation of the device 1 LED indicating power supply
Construction:	Housing with DIN rail mounting. On the front of the device there is an information plate.
Working conditions:	-30° +60° C;
Dimensions:	mm Length: 99 mm Height: 114.5 mm Width: 67.5
Flammability class according to UL 94:	V0
Connect:	Connection as another module to the basic CPU card, from which the power supply and the CAN line are drawn Connection of 6 air ducts from the installation.
Protection:	IEC IP44
Mechanical and vibration resistance:	IEC 68-2-6 and IEC 68-2-7 Mechanical: 3g, 11 ms semi-sinusoid, 18 shake Vibration: 0.5 mm p-p, 10 to 60 Hz
Communication protocol:	CAN

Dimensional specification:

<p>Rysunek wymiarowy</p>	
<p>Szerokość [w]</p>	<p>67,5 mm</p>
<p>Wysokość [h]</p>	<p>99 mm</p>
<p>Głębokość [d]</p>	<p>114,5 mm</p>
<p>Głębokość od górnej krawędzi szyny DIN [d]</p>	<p>107 mm</p>



Warnings:**Usage:**

KSK Developments allows the device to be used only in accordance with its intended purpose, i.e., for measuring O₂ concentration.

KSK Developments is not responsible for any damage related to the use of the system in accordance with the intended purpose.

Incorrect connection:

The device is designed to work with a rated voltage of 12 V. Connecting a different voltage may cause irreparable damage to the equipment.

KSK Developments is not responsible for damages related to incorrect connection of the device.

About the document:

This document applies to the O₂ expansion card developed by KSK Developments.

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