

KSK-140478/O2/X/0

Characteristic:

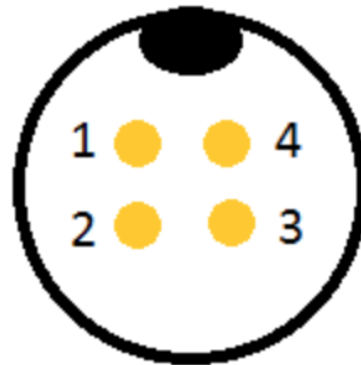
- Sensor for measuring oxygen content in air
- Sensor fitted with threaded flange M18x1.5
- Oxygen sensor based on ZrO2



Technical specification:

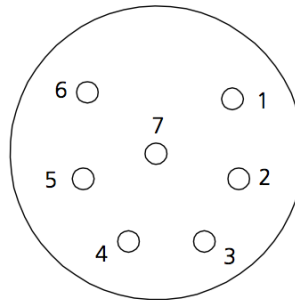
Supply voltage:	24 VDC
Power consumption:	500 mA
Protection of the power circuit:	2 A
Connectors:	DC+, GND, CAN H, CAN L for CAN protocol 24VDC, 0V, DC+_TEST, ANALOG_OUTPUT, DIGITAL_OUTPUT, GND for 4-20mA protocol
Delay at the power on:	60 s
Temperature effect:	-
Configuration:	Configurable via software
Indicators:	none
Construction:	Enclosure with threaded flange M18x1.5 made of 1H18N9T materiale
Working conditions:	-20° to +100° C; CAN: 0.1 to 100% O ₂ , 4-20mA 0.1 to 100% O ₂
Dimensions:	Length: 150 mm Height: 38mm Width: 38 mm
Flammability class by UL 94:	V0
Connection:	CAN protocol:

2CT3002-W04300:



- 1. CAN L
- 2. GND
- 3. +24
- 4. CAN H

4-20mA protocol:



- 1. 24VDC
- 2. 0V
- 3. NC
- 4. TEST 24VDC
- 5. ANALOG OUTPUT (4-20)
- 6. DIGITAL OUTPUT (0V-5V)
- 7. GND

Ingress protection:

IEC IP67 (Electronics housing), sensor relative humidity 99%

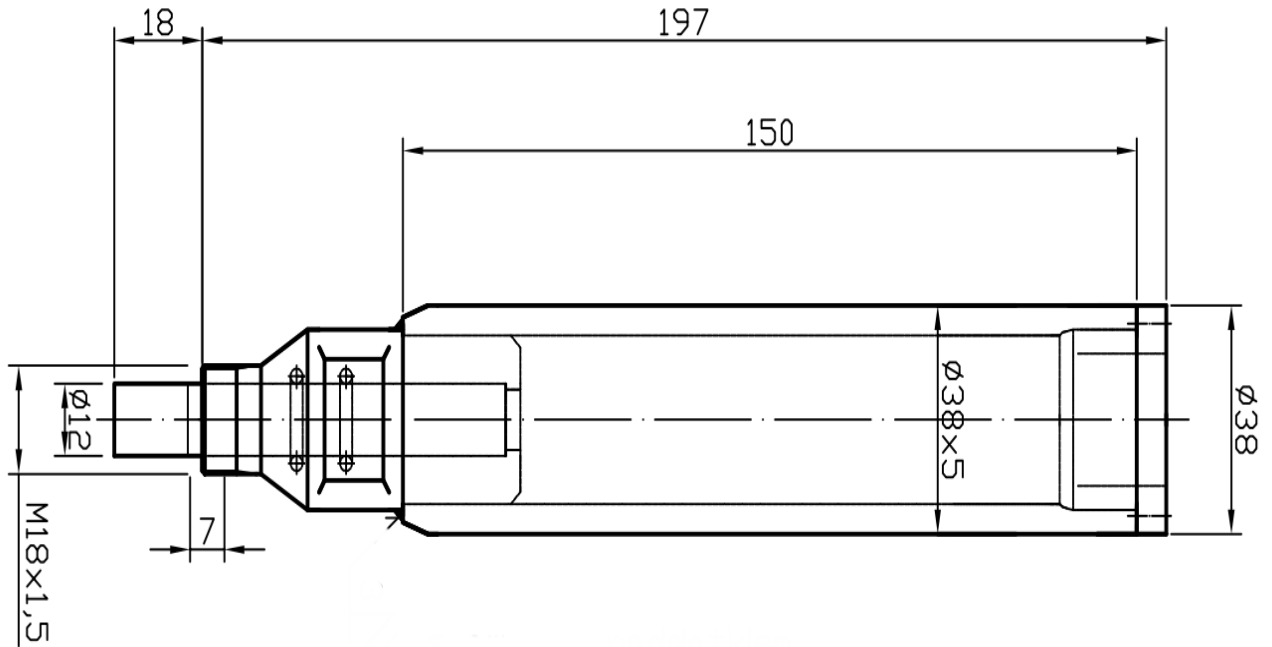
Shock resistance and vibration:

IEC 68-2-6 and IEC 68-2-7
 Mechanical: 3g, 11 ms half sinusoid, 18 shocks
 Vibration: 0.5 mm p-p, 10 to 60 Hz

Communication protocol:

CAN or 4-20mA

Dimensions specifications:



Indicated:

The product is marked with CE

Warnings:

Incorrect use:

KSK Developments allows the device to be used only for its intended purpose, ie to monitor the level of oxygen in the air.

KSK Developments is not liable for any damage resulting from misuse of the system.

Incorrect connection:

This device is intended for use with a rated voltage of 24 V. The connection of a different voltage can cause irreparable damage to the equipment.

KSK Developments accepts no liability for any damage resulting from incorrect connection of the device.

About:

This document is reference material for the oxygen measurement system from KSK Developments Sp. Z.O.O.

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