

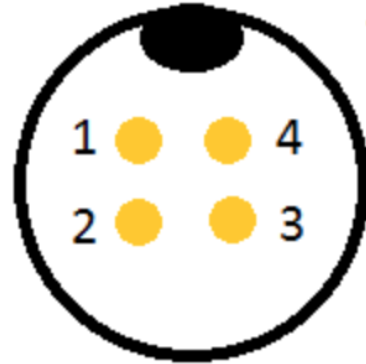
Characteristic:

The measuring probe is a 1000 mm long lance and contains one oxygen sensor at the tip of the lance that is driven into the compost. The tip of the lance that is driven into the compost has a rounded head so that the components of the compost are not encountered therein. Oxygen sensor based on ZrO₂ sensor.



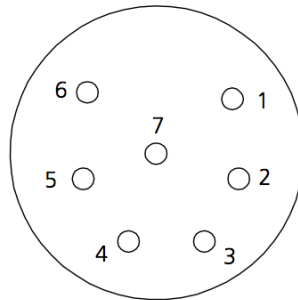
Technical specification:

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 connector:	60 s
Temperature effect:	-
Configuration:	Configurable via software (CAN only)
Indicators:	none
Construction:	Housing made of stainless steel 1H18N9T, welded and screwed elements for IP67 of the device
Working conditions:	-20° to +100° C 0.1 to 100% O ₂ (CAN); 0.1 to 25% O ₂ (4-20mA)
Dimensions:	Length: 1100 mm Height: 370 mm 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:

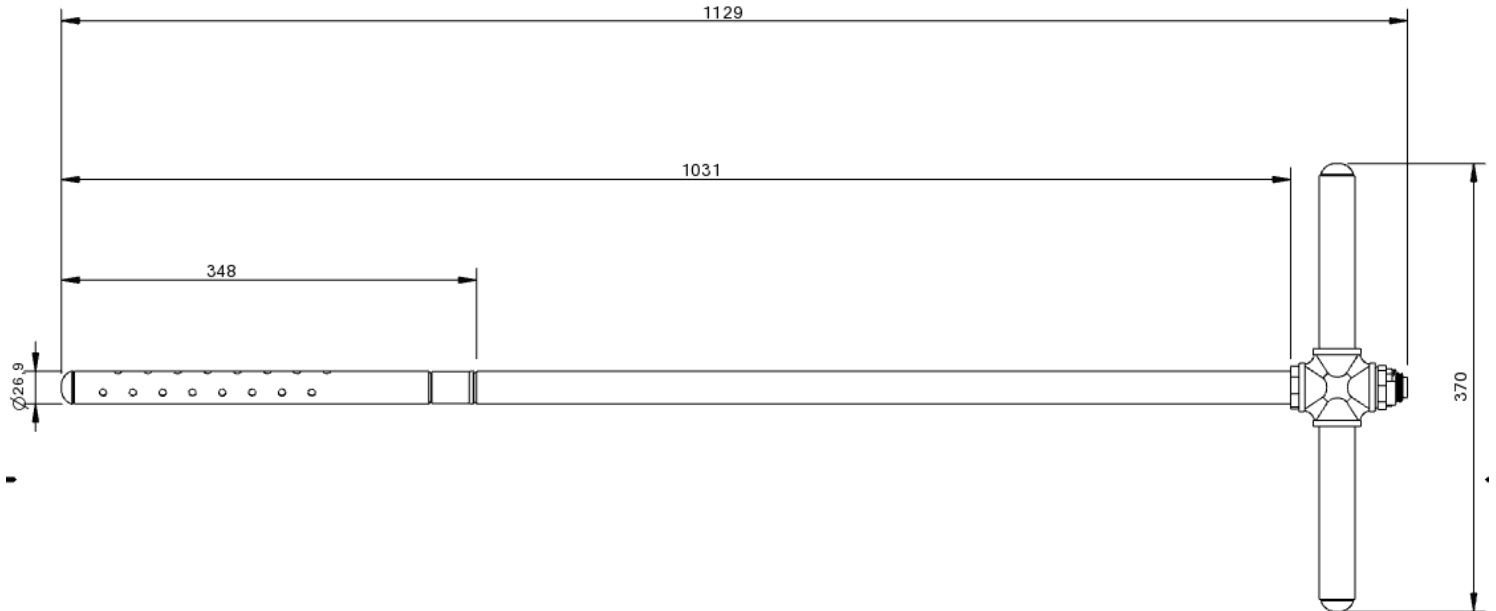
IEC 68-2-6 and IEC 68-2-7
 Mechanical: 3g, 11 ms half sinusoid, 18 shocks
 Vibration: 0.5 mm p-p, 10 to 60 Hz

Communication protocol:

CAN or 4-20mA

Dimensions specifications:

Dimensions of sensor element



Indicated:

The product is marked with CE

Warnings:

Incorrect use:

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

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 vehicle magnetic detection system from KSK Developments Sp. Z.O.O.

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