

## 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 ZrO<sub>2</sub> sensor.



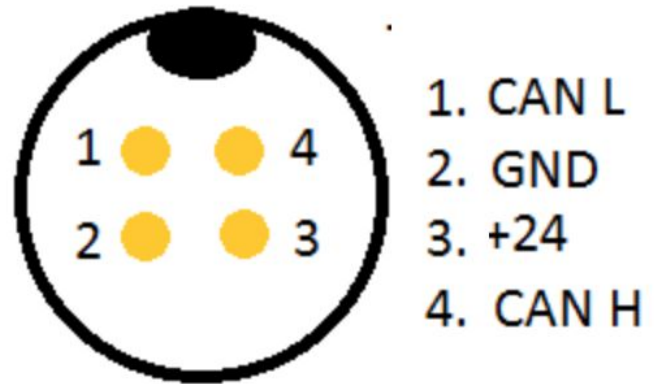
## Technical specification:

<b>Supply voltage:</b>	24 VDC
<b>Power consumption:</b>	500 mA
<b>Protection of the power circuit:</b>	2 A
<b>Connectors:</b>	DC+, GND, CAN H, CAN L
<b>Delay at the power connecto:</b>	60 s
<b>Temperature effect:</b>	-
<b>Configuration:</b>	Configurable via software
<b>Indicators:</b>	none
<b>Construction:</b>	Housing made of stainless steel 1H18N9T, welded and twisted elements for tightness of the device
<b>Working conditions:</b>	-20° to +100° C (-20° do +70° C electronics housing); 0.1 to 100% O <sub>2</sub>
<b>Dimensions:</b>	Length: 1100 mm Height: 270 mm Width: 38 mm
<b>Flammability class by UL 94:</b>	V0

**Connection:**

For devices with CAN interface cable:

Joint connector 2CT3002-W04300:



For devices with interface 4-20mA:

**Ingress protection:**

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

**Shock resistance and vibration:**

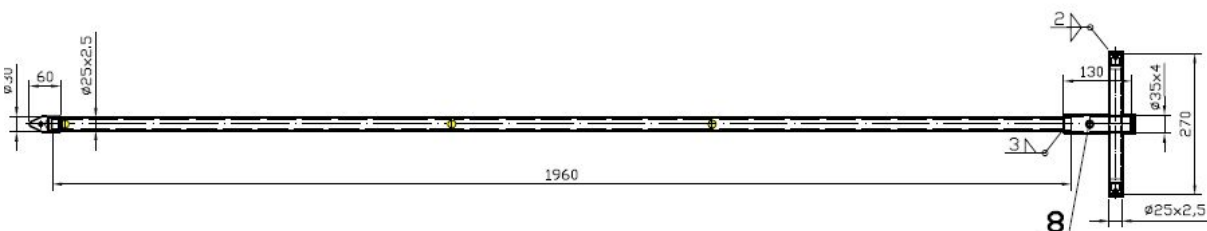
IEC 68-2-6 and IEC 68-2-7  
Mechanical: 3g, 11 ms half sinusoid, 18 shocks  
Vibration: 0.5 mm p-p, 10 to 60 Hz

**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, ie 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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