

CO 110

CO :
Température : NTC
 4 , LCD, 50*36mm
 2 () - 5 , 7
 2 () - 5 , 16

2M

ABS , IP 54

5

Directives CEM 2004/108/CE and NF EN 61010-1

4 batteries AAA LR03 1.5 V

200

Neutral Gas

From 0 to +50 °C

From -20 to +80 °C

0~120 가

310 g



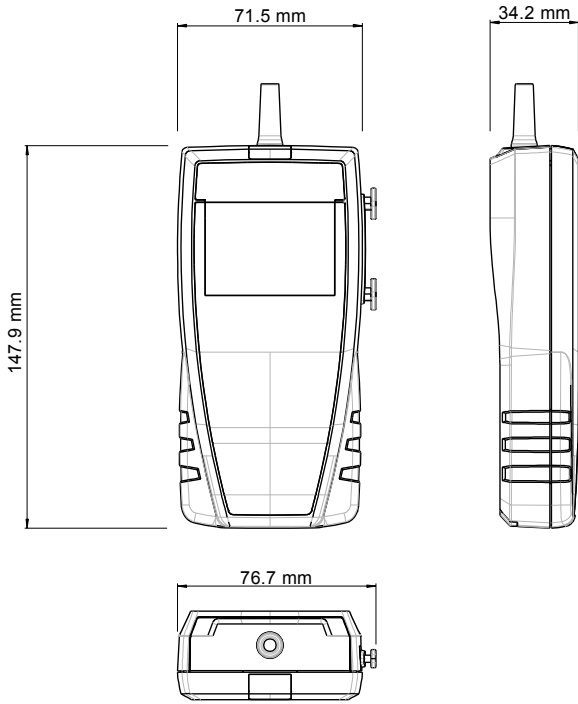
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CO	ppm	From 0 to 100 ppm From 100 to 500 ppm	±3 ppm ±3 % of reading	0,1 ppm
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°C, °F	From - 20 to +80 °C	±0.4% of reading ±0.3°C	0,1°C
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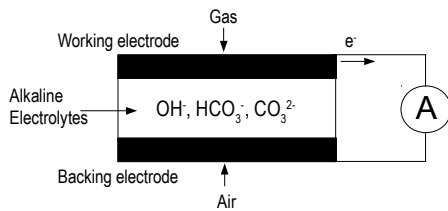
- CO max 가
- 2 가
- 가
- ,
-
-

*All the accuracies indicated in this technical datasheet were stated in laboratory conditions, and can be guaranteed for measurements carried out in the same conditions, or carried out with calibration compensation



Electrochemical sensor

When CO goes through an alectrolyte solution, it intercedes in the reactions of electrolyse and produces an increase of the quantity of produced electrons. The source electrons of a current which is around microampere are directly proportional to CO concentration.



Thermometer : NTC probe

Negative temperature coefficient probes are thermistors with a resistance that decreases with temperature according to the equation below:

$$R_{(T)} = R_{(T_0)} e^{\left(\frac{\alpha}{100} \times (T_0 + 273.15)^2 \times \left(\frac{1}{T + 273.5} - \frac{1}{T_0 + 273.5} \right) \right)}$$

RT= resistance sensor value at temperature T

R(T₀)= resistance sensor value at reference temperature T₀

T and T₀ in °C

α et T₀ sensor specific constants



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