

- CO2

AQ 110

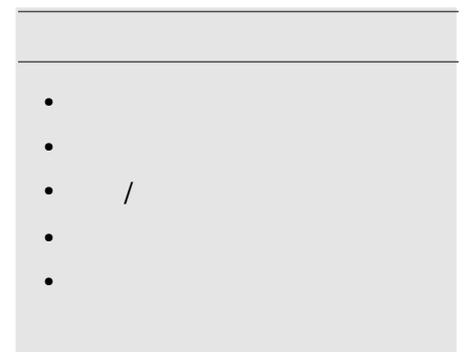


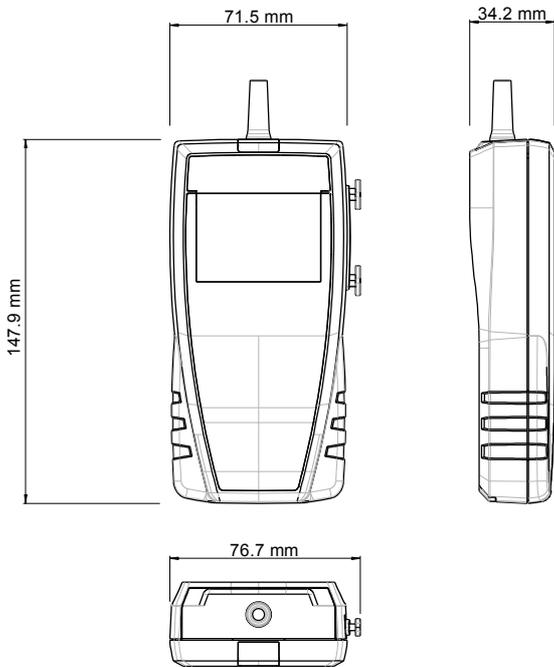
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-	- 2

CO2	: NTC
4	, LCD, 50*36mm
2	() - 5 , 7
2	() - 5 , 16
	450mm (2.4m)
	IP54 ABS
	5
	Directives CEM 2004/108/CE and NF EN 61010-1
4	AAA LR03 1.5V
	20
	Neutral gas
	0 ~ 50
	-20 ~ 80
	0 ~ 120
	340g



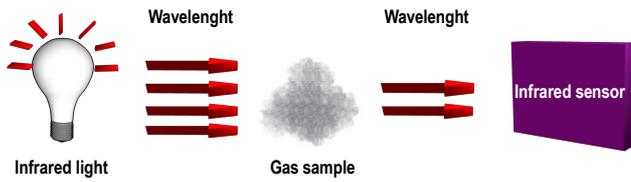
CO2			
ppm	0 ~ 5000 ppm	±3 % of reading ±50 ppm	1 ppm
°C, °F	-20 ~ 80	±0.4% of reading ±0.3°C	0.1°C





Non dispersive infrared absorbance

All the gases absorbs the light at a specific wavelength, a part of the light emitted by the infra-red source is absorbed by the gas sample. The quantity of light read by the infrared sensor is inversely proportional to the CO₂ concentration.



Thermometer : CTN Probe

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

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

RT= resistance sensor value at temperature T
 R(T₀)= resistance sensor value at reference temperature T₀
 T and T₀ in °C
 α and T₀ sensor specific constants

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CQ 15 :



RTE :
1m, 90

MT 51 : ABS



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