

°C
%RH
hPa

Environmental Data

Why are they important?

Air quality is a major environmental health problem affecting everyone wherever they are. Kunak AIR Pro includes environmental monitoring with a wide range of different parameters that should be considered and are critical to the protection of human health and the environment.

Kunak AIR Pro device is a total solution that includes a continuous monitoring system of ambient temperature, relative humidity and atmospheric pressure.

Why measure them?

These sensors are always supplied with the Kunak AIR Pro devices for acquiring an advanced algorithms to achieve the highest accuracy, mitigating the effects of temperature, humidity and cross sensitivities.

Environmental sensors

The Kunak AIR Pro has built-in environmental sensors such as Temperature, Relative Humidity and Atmospheric Pressure which are treated in one way to correct gas sensor readings and, in another way, to provide accurate measurements as a professional weather station.

Technical characteristics

Parameter	Type	Resolution ⁽²⁾	Unit	Temperature range ⁽³⁾	RH range ⁽⁴⁾
Temperature	Solid state	0.01 °C	°C	-40 to 150 °C	0 - 100 %RH
Relative humidity	Solid state	0.04 %	%	-40 to 150 °C	0 - 100 %RH
Pressure	Solid state	0.18 hPa	hPa	-90 to 85 °C	0 - 100 %RH

Proven performance

Parameter	Measurement range ⁽¹⁾	Accuracy ⁽¹⁵⁾	90% confidence interval ⁽¹⁶⁾	R ² precision ⁽¹⁷⁾
Temperature	-40 to 150°C	± 0.9 °C	1.5 °C	> 0.95
Relative humidity	0 to 100 %RH	± 3 %RH	6 %RH	> 0.95
Pressure	300 to 1,100 hPa	± 2 hPa	3 hPa	> 0.95

* See notes on page 24