



°C
%RH
hPa

Environmental data

Why are them important?

Air quality is a major environmental health problem affecting everyone wherever they are. Kunak AIR stations include 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 stations are 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 stations for acquiring an advanced algorithms to achieve the highest accuracy, mitigating the effects of temperature, humidity and cross sensitivities.

Environmental sensors

The Kunak AIR stations have 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 specifications

	Temperature	Relative humidity	Pressure	Dew point
Type	Solid state	Solid state	Solid state	Solid state
Unit of measurement	°C	%	hPa	°C
Measurement range⁽¹⁾	-40 to 125 °C	0 - 100 %RH	300 - 1,100 hPa	-40 to 125 °C
Resolution⁽²⁾	0.01 °C	0.04 %RH	0.18 Pa	0.01 °C
Operating temperature range⁽³⁾	-40 to 125 °C	-40 to 150 °C	-90 to 85 °C	-40 to 125 °C
Operating RH range⁽⁴⁾	0 to 100 %RH	0 to 100 %RH	0 to 100 %RH	0 to 100 %RH
Operating life⁽⁵⁾	Device time life	Device time life	Device time life	Device time life
Typical accuracy (MAE)⁽¹⁰⁾	± 0.9 °C	± 3 %RH	± 2 hPa	-
Typical precision R² ⁽¹⁰⁾	> 0.95	> 0.95	> 0.95	> 0.95

* See notes on page 28