Air Quality Performance Index

Good | Acceptable | Moderate | Poor

- Temperature
- Humidity
- Carbon Dioxide (CO_2)
- Chemicals (TVOCs)
- Particulate Matter (PM2.5)

Purposes of the Air Quality Performance Index

The index delivers a clear, unified assessment of indoor environmental conditions, helping users quickly identify issues, take corrective action, and maintain healthier, more productive spaces.

ARVE SENSE Pro

SWISS AIR QUALITY SYSTEM

The Air Quality Performance Index rates indoor air as Good, Acceptable, Moderate, or Poor. It gives a quick view of safety and comfort: Good is healthy, Acceptable is mostly safe, Moderate needs attention, and Poor signals high pollutants requiring immediate action.

Temperature (°C)

Impact: Comfort and productivity depend on proper temperature. Too hot or too cold can impair focus and reduce efficiency.

Good	Acceptable	Moderate	Poor	Hazardous
20°C ~ 25°C	20°C ~ 18°C (cool)	18°C ~ 16°C (cool)	16°C ~ 8°C (cold)	<8°C (cold)
	25°C ~ 27°C (warm)	27°C ~ 29°C (warm)	29°C ~ 34°C (hot)	>34°C (hot)

Humidity (%)

Impact: Low humidity dries skin and mucous membranes, while high humidity fosters bacteria and mold.

Good	Acceptable	Moderate	Poor	Hazardous
40% ~ 50%	30% ~ 40% (low)	23% ~ 30% (low)	14% ~ 23% (low)	0 ~ 14% (low)
	61% ~ 70% (high)	71% ~ 80% (high)	81% ~ 90% (high)	91% ~ 100% (high)

Carbon Dioxide (CO_2, ppm)

Impact: Elevated CO_2 from crowded spaces causes drowsiness, reduces focus, and harms decision-making.

Good	Acceptable	Moderate	Poor	Hazardous
0 ~ 1000	1000 ~ 2000	2000~ 3000	3000 ~ 5000	>5000

Chemicals (TVOCs, ppb)

Impact: Volatile organic compounds from paints, furniture, and cleaning products can irritate skin and lungs. Low levels support a healthy environment.

Good	Acceptable	Moderate	Poor	Hazardous
0 ~ 300	300 ~ 500	500~ 3000	3000 ~ 25000	>25000

Particulate Matter (PM2.5, μg/m^3)

Impact: Comfort and productivity depend on proper temperature. Too hot or too cold can impair focus and reduce efficiency.

Good	Acceptable	Moderate	Poor	Hazardous
0 ~ 12	12 ~ 35	35~ 55	55 ~ 150	>150