

AirSmart Edu

Smart air quality monitor designed to keep classrooms healthy and productive.

🌡️ Temperature

💧 Humidity

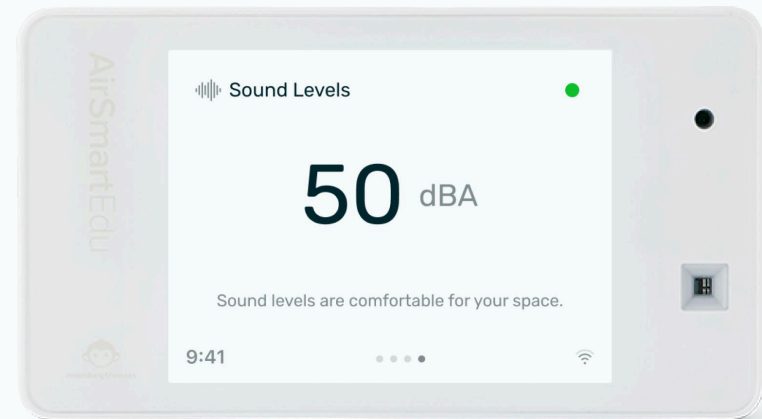
⚙️ CO₂

💡 Lighting

🔊 Sound Level



Scan QR or visit docs.monkeytronics.co.nz to access more information about our products.



Overview

AirSmart Edu monitors CO₂, temperature, humidity, lighting, and sound in real time, giving schools the data they need to maintain healthy, comfortable classrooms. Its high-resolution display offers an at-a-glance snapshot of the learning environment, while Wi-Fi connectivity allows staff to access data anytime via the Monkeytronics app.

Poor air quality affects concentration, behaviour, and academic performance. AirSmart Edu makes it easy to take control.

Installation

Installing your AirSmart Edu is simple. Follow these steps using the Monkeytronics mobile app.

- ① Scan QR Code
- ② Customise your device
- ③ Configure Wi-Fi

Installation is completed via the Monkeytronics mobile app; please ensure Bluetooth and camera access are enabled before getting started.

Accuracy

 Temperature ¹ ± 0.4 °C	 Humidity ± 3 %	 CO ₂ ± 30 ppm ± 3 %
 Lighting ² ± 20 %	 Sound Level ³ ± 1 dBA	

Specs

Dimensions	11.1 cm × 6.2 cm × 2.7 cm
Power	Micro USB charger ⁴
Connectivity	Wi-Fi with WPA2 Security
Sampling Interval	Every few seconds
Cloud Reporting Interval	Every 15 minutes



¹ Sensirion SCD30 figures at 25 °C: CO₂ ±(30 ppm + 3 % of reading), 400 to 10,000 ppm; temperature ± (0.4 °C + 0.023 × (T - 25 °C)), 0 to 50 °C; humidity ±3 %.

² ams TSL2572 datasheet, page 8: output under a fixed white light 4,000 to 6,000 counts (typical 5,000), a spread of ±20 %. The datasheet states no lux accuracy.

³ TDK ICS-43434 microphone, sensitivity tolerance ±1 dB.

⁴ Supplied.

Benefits

- Good air quality in classrooms promotes a healthy, comfortable, and productive learning environment for students and teachers alike
- Identifying energy inefficiencies through air quality data saves money and reduces your carbon footprint
- Poor air quality reduces cognitive ability and academic performance; monitoring helps you act before it becomes a problem
- Air quality data can be used as an educational tool to teach students about environmental awareness
- Lighting and sound monitoring ensures optimal conditions for focus and well-being

Features

-  Large, high-res colour display
-  Customisable notifications
-  Real-time data for CO₂, temperature, humidity, lighting & sound
-  Web portal with reporting
-  Mobile app for data access anywhere
-  Heatpump and ventilation feedback
-  Wi-Fi connectivity, no ongoing costs
-  Easy data sharing with colleagues