

SPECIFICATIONS

ROOM YOU

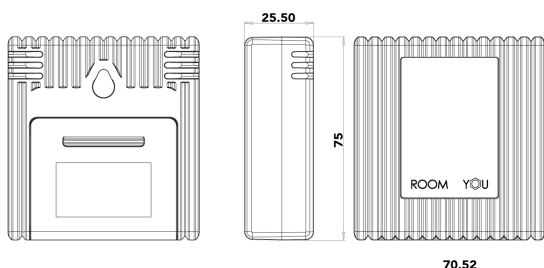
RoomYou 1 (RY1)



The ROOMYOU™ sensor is engineered to monitor indoor environments, promoting wellbeing and comfort. Its square design features real-time sensing capabilities for CO₂, temperature, humidity, air pressure, and melanopic lux.

- **Portability:** Battery-powered for convenient use
- **Display:** E-Ink screen for clear visibility
- **Measurement Interval:** 5-minute measurement intervals
- **Data Export:** Option to export data for analysis

This sensor is an essential tool for ensuring optimal indoor conditions and complying with standards for wellbeing*.



Example data export (.csv)

Time(DD/MM/YYYY h:mm:ss A)	Carbon dioxide(ppm)	Temperature(°C)	Relative humidity(%)	Atmospheric pressure(hPa)	Melanopic Lux (M-EDI)
19/04/2024 11:47	520	26.4	74	998.6	200
19/04/2024 11:52	512	26.4	74	998.4	203
19/04/2024 11:57	520	26.4	74	998	205
19/04/2024 12:02	522	26.5	74	997.9	209
19/04/2024 12:07	532	26.5	74	997.8	213

Key characteristics

Shape: L75 * W70.52 * D25.5 mm

CO₂

CO₂

Range: 0 to 9999 ppm
Resolution 1 ppm
Accuracy ±(30 ppm + 3 % of reading)
Self-calibration NDIR
ABC calibration



Temperature

Range: -40 to 125 °C
Resolution 0.1 °C
Accuracy ±0.2 °C



Relative humidity

Range: 0 to 100%
Resolution 1%
Accuracy ±2%



Atmospheric pressure

Range: 260 to 1260hPa
Resolution 0.5 hPa
Accuracy ±3%



Light

M-EDI (Melanopic Equivalent Daylight Illuminance)
Range: 350 to 1000nm
Channels: 8
Accuracy ±5%

General specifications

IP rating	IP20
Operating temperature	-10°C to 50 °C
Operating humidity	0 to 100 %
Weight	76 g (excl batteries) 104 g (with batteries) 172 g (with packaging, excl batteries)
Material	Polycarbonate
Packaging excl.	2 pcs AA alkaline batteries**
Compliance	CE, UKCA
EAN	8720299314399

*Relevant Standards ANSI/ASHRAE 62.1-2022, RESET grade A, WELL v2™