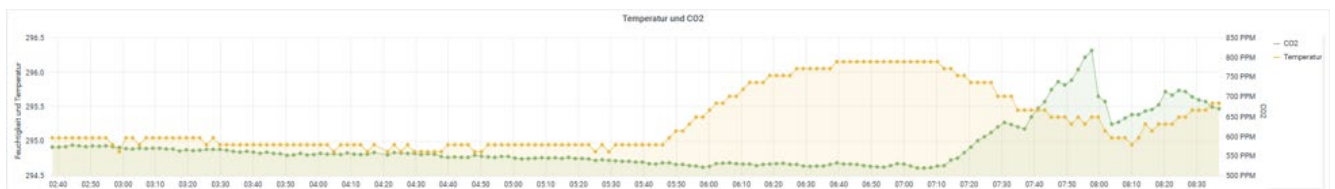# Indoor air quality indicator DEOS SAM – CO₂ MULTISENSOR FOR ROOM AIR MONITORING

Technical product information – Version: 12/11/2020, V1.0

»FEATURES

- 8 color LEDs for visual representation of the current CO_2 content in the room air using a multi-stage indicator
- Intelligent LED brightness control
- Optical NDIR CO_2 sensor with integrated temperature and humidity measurement
- Individually adjustable limit values for CO_2 content
- Acoustic warning signal when a limit value is exceeded
- Power supplied via miniature USB port at power supply unit
- Perfectly suitable for being wall-mounted
- High-quality stainless steel housing
- Transmission of measured values via LoRaWAN
- Measurements can also be made available via DEOS cloud platform (see Illustration)

»TYPE OVERVIEW

Type	Art. No.
DEOS SAM	DS-360447

»TECHNICAL DATA

Voltage	5 V DC
Amperage	0.5 A
Measuring range	CO2: 0ppm to 40,000ppm
	Temperature: -20°C to +70°C
	Relative humidity: 0% to 100%
Accuracy	CO₂: ±40ppm
	Temperature: ±0.75°C
	Relative humidity: ±5%
Operating temperature	0°C to 50°C
Interfaces	LoRaWAN, USB
Dimensions	Ø100mm x 40mm
Material	Brushed stainless steel 1.4301, acrylic glass
Items supplied	DEOS SAM, power supply unit, USB cable (2 m), assembly kit
Assembly	Suitable for mobile use or for being wall-mounted

Measured CO₂ value example
green: good (from 400ppm)
yellow: mediocre (from 800ppm)
red: poor (from 1000ppm)

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