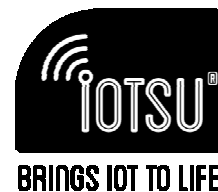


IOTSU® S1 AQX1



Temperature,
Humidity, CO₂,
& VOC



PRODUCT DESCRIPTION

IOTSU® CO₂ & VOC sensor is a compact wireless indoor device that measures air quality. Air quality is assessed as a combination of temperature, humidity, the concentration of carbon dioxide and the concentration of volatile organic compound (VOC). Volatile organic compounds are evaporated particles in air from an array of sources some of which may have an effect on an individuals health or comfort. The measured data can be viewed effortlessly from the cloud.

IOTSU® is easy to integrate into IOTSU® smart platform to visualise and analyse the results. The smart platform can be configured to alert the user if the air quality exceeds a configurable use-specific threshold value. Transmission and measurement cycles can be adjusted according to the need. This affects the battery life.

IOTSU® smart platform supports configurable SMS and email alarms. The smart platform is also straightforward to integrate into other systems and processes. The device can be mounted on any surface within the monitored building. Installation of this maintenance-free device is quick and easy.

IOTSU® uses a global Sigfox network connection. There is no need for external power supply.

TECHNICAL SPECIFICATIONS

DIMENSIONS (LxWxH): 76 x 76 x 30 mm

WEIGHT: 92g with battery

SENSORS: CO₂ (0 – 5000 ppm), VOC, Temperature, Humidity

TRANSMISSION CYCLE: 2h, adjustable

MEASUREMENT CYCLE: 30min, adjustable

TRANSMIT POWER: 25mW (14dBm)

TRANSMISSION CYCLE: Configurable, alerts

CONNECTIVITY: Sigfox RC1

BATTERY: AA 3.6V, lifetime with default settings 3 years, replaceable

OPERATING TEMPERATURE: 0°C to +50°C

MOUNTING: Adhesive tape



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