



Company: **Small Data Garden**
 Product: **IOTSU® S1 AQX1**
 Rev: **2.1_06thSep 2021**



Product description:

IOTSU® S1 AQX1 is a wireless indoor device designed for measuring and recording of changes in air quality for statistical analysis or monitoring purposes. Air quality is assessed as a combination of temperature, humidity, the concentration of carbon dioxide, and the concentration of volatile organic compound (VOC).

The device can be mounted on any surface within the monitored building. Installation of this maintenance-free device is quick and easy. Transmission and measurement cycles can be adjusted according to the need.

IOTSU® S1 uses the global Sigfox network connection. There is no need for external power supply.



IOTSU® products shall not be used in any other way than their intended use defined by Small Data Garden. IOTSU® products are designed for [LPWAN technologies] collecting non-critical information. Small Data Garden will not be held liable for any damage which may result from inaccurate readings and delayed data transmission. For more information see SDG's General Terms and conditions for the supply of products and Legal Notices.

Measuring and recording:	
	CO ₂ , tVOC
	Temperature, Humidity
Technical specifications:	
Dimensions	: 76 x 76 x 30 mm
Weight	: 92g with battery
Sensors	: CO ₂ (0 – 5000 ppm), VOC, Temperature, Humidity
Transmission cycle	: 2h, adjustable
Measurement cycle	: 30min, adjustable
Transmit power	: 25mW (14dBm)
Connectivity	: Sigfox RC1
Battery	: AA 3.6V, lifetime with default settings 3 years, replaceable
Operating Conditions	: 0°C...+50°C
Mounting	: Adhesive tape