



The Testcenter facility 'LoRa® Test Lab' within IMST GmbH is recognized by the LoRa™ Alliance for testing in accordance to the LoRaWAN™ Specification V1.0.2

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# **Report for Certification by Similarity according to LoRaWAN™ V1.0.2**

for the Device

**“Teneo CO2 stoplicht“**

for the Customer

**“Teneo IoT BV“**

Jens Lerner

Yavuz Turan

22<sup>nd</sup> June, 2021

## Administrative Summary

Location: IMST GmbH, Test Centre, Kamp-Lintfort, Germany

Responsible Test Engineer: Yavuz Turan, Jens Lerner

Subject: Test of requirements for Certification by Similarity according to LoRaWAN™ Specification V1.0.2

Company and Contact Information:

Teneo IoT B.V.

Inou Heideman

Landbouwstraat 5-06

7101 EK Winterswijk

Netherlands

Checked Device: Teneo CO<sub>2</sub> stoplicht

Hardware version: REV200

Firmware version: 1.31

Type and Version of used Stack: own

Original End-device identifier: Teneo Filling Level sensor

LoRa Device Class: A

LoRaWAN Specification version: V1.0.2

Certification requirements: LoRa End Device Certification by Similarity V1.1

Frequency band(s): 868 MHz

Type of Certification by Similarity:

Case 3: Certification of an end-device variant from a certified end-device

Variant device differences to the referenced certified device:

- Same LoRa transceiver
- Same LoRa protocol SW version
- Same MCU Core
- Same Clock design and implementation

Brief description of the differences between the primary and the variant device

The hardware and firmware of the primary and variant device are all exactly the same except for the application specific firmware. The primary device measures distance and the variant device measures CO<sub>2</sub>, humidity and temperature.

Date: 22<sup>nd</sup> June, 2021

The Test Report, No. 6210546 has the following conclusion:

**The device fulfils the requirements.**

Responsibility:



Yavuz Turan

Test Engineer

Approved:



Jens Lerner

Quality Engineer

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