



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

Report for Certification by Similarity according to LoRaWAN[®] V1.0.2

for the Device

“Diehl Metering GmbH“

for the Customer

“HYDRUS 2.0 Type 173”

Jens Lerner

Yavuz Turan

23rd January, 2024

Administrative Summary

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

Responsible Test Engineer: Yavuz Turan, Jens Lerner

Subject: Test of Conformance to LoRaWAN® Specification V1.0.2

Company and Contact Information:

Diehl Metering GmbH

Matthias Schaaf

Donaustraße 120

90451 Nuremberg

Germany

Checked Device: HYDRUS 2.0 Type 173

Hardware version: 3117875

Firmware version: 3.1.8

Type and Version of used Stack: Semtech Modem-E, Version 1.1.9

Original End-device identifier: HYDRUS 2.0 Type 173 (FW 3.1.3)

LoRa Device Class: A

LoRaWAN Specification version: V1.0.2

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

Frequency band(s): EU868

Type of Certification by Similarity:

Case 1: End-device certification using a certified module

Variant device differences to the referenced certified device:

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

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

minor Firmware adjustment on system controller (FW 3.1.3 -> 3.1.8) No changes concerning LoRa WAN - Firmware and Hardware

Date: 23rd January, 2024

The Test Report, No. 6240073 has the following conclusion:

The device fulfils the requirements.

Responsibility:

Yavuz Turan

Yavuz Turan

Test Engineer

Approved:

Jens Lerner

Jens Lerner

Quality Engineer

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