



The Testcenter facility 'LoRa® Test Lab' within IMST GmbH is recognized by the LoRa® Alliance for testing in accordance to the LoRaWAN® Specification V1.0.4

Testreport for Certification by Similarity according to LoRaWAN® (V1.0.4 EU868)

for the Device

“WMP20“

for the Customer

“S.C.”ADD-PRODUCTION” S.R.L.”

Jens Lerner

Yavuz Turan

27th March, 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 V1.0.4 (EU868)

Company and Contact Information:

S.C."ADD-PRODUCTION" S.R.L.

Eugene Safronov

Dragomirna Str. 36

MD-2008, Chisinau

Moldova

Checked Device: WMP20

Hardware version: 594

Firmware version: V81xx

Type and Version of used Stack: Stackforce

Original End-device identifier: WMP15

LoRa Device Class: A

LoRaWAN Specification version: V1.0.4

Certification requirements: LoRaWAN 1.0.4 End Device Certification Requirements V1.6.1

Frequency band(s): 868 MHz

Test Equipment: LCTT v3.11.0_R1

Type of Certification by Similarity:

Case 2: Certification of an end-device variant from a certified end-device

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

The hardware and software of the meter are the same, the differs are only in the diameter and length of the pipe.

Date: 27th March, 2024

The Test Report, No. 6240257 has the following conclusion:

The device fulfils the requirements.

Responsibility:

Yavuz Turan
Test Engineer

Approved:

Jens Lerner
Quality Engineer

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Applied Methods of Measurement

1.1 Protocol Testing according to LoRaWAN® specification V1.0.4 (Class A device for EU868)

Certification By Similarity Test Results By the Manufacturer:

Join tests with various parameters: **PASS**

Device Status Request: **PASS**

New Channel Request: **PASS**

DI Channel Request: **PASS**

RX Parameter Setup Request: **PASS**

RX Timing Setup Request: **PASS**

TX Parameter Setup Request: **PASS**

Link ADR Request: **PASS**

Supported Optional Features:

Adaptive Data Rate (ADR)	Yes
SF7BW250 (DR6)	Yes
FSK50 (DR7)	Yes

Additional Tests By The Manufacturer:

Retransmission Back-Off for OTA devices only: **PASS**

Remarks: None

Result: The device passed the test without limitations.