

Certification No. 2265

This is to certify that the metering equipment identified as:

Type: WS74 Active firmware(s): Id=Z-T49-06-1938-100 V=E-PROGRAM-1P-V1.0
Mgmt. SAP = 1 is "445A47313035313931323131313131" (DZG105191211111)
Manufactured by: DZG Metering GmbH

has successfully passed the DLMS/COSEM Conformance test, under the following conditions:

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20161130_Zhejiang_Reallin_Electron_Co_Ltd (2016/11/30)
- COSEM object definitions file version: Object_defs_v3.3_released_180601.dat
- Media identifier(s): Abstract, Electricity

Tests	Comm. profile & opening mode	Application contexts	Security features	Date and time	Test Result hash value
Test 1	HDLC, DIRECT_HDLC	LONG_NAMES, LONG_NAMES_ WITH_CIPHERING	SERVICE_SPECIFIC_GLO- CIPHERING, SUITE_0 KEY_TRANSFER	27-DEC-2019 17:22:04	800C972D0B1D73DFC0C3412 F8C8CA543C2E256001E15956 122B28152EB305201

The authenticity of the test report(s) has been verified by the DLMS User Association and the metering equipment identified above is listed on its web site at: www.dlms.com.

With this, the manufacturer is entitled to display the DLMS/COSEM Compliant mark – shown below – on its product duly identified and on its product literature.



The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

This Certificate is only valid for the functions successfully tested; see the Summary. The test has been executed on one specimen of the product, as identified by the Management Logical Device Name reported. Results may not be applicable for other test specimens.

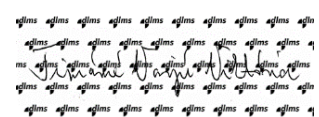
Date: Zug, the 13th January 2020



Sergio Lazzarotto
Executive Director and President



Gyöző Kmethy
President Emeritus



Viktória Varjú Timárné
Certification Engineer

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Summary of features tested for Test 1

This section provides an overview of the features tested, aggregated over all logical devices and Application Associations in one test session. Full information is available in the Test Result.

```
*****  
* Identification *  
*****
```

```
Identification = {  
  Manufacturer = "\DZG Metering GmbH"  
  FLAGid = "\DZG"  
  Type = "\WS74"  
  ConfigurationId = "\ConfigurationId"  
  SerialNr = "1111111111111111"  
  Comment = "\comment 1"  
  Comment = "\comment N"  
}
```

```
*****  
* Summary *  
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	4	0	32	0
APPL	71	0	18	0	53	0
COSEM	4235	0	17	300	3918	0
SYMSEC	71	0	11	0	60	0
PUBSEC		All (No ciphered association with the required properties)				
DP	0	0	0	0	0	0
GBT		All (No association with the required properties)				

Communication profile: HDLC

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Authentication mechanisms: NO_SECURITY, HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: ACTION, GET, RLRQ_RLRE, SELECTIVE_ACCESS
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
KEY_TRANSFER

Data protection features: (not collected)

Logical device(s) found:

(DZG1051912111111) SAP = 1 is "445A47313035313931323131313131"

Active firmware(s): Id=Z-T49-06-1938-100 V=E-PROGRAM-1P-V1.0

COSEM classes tested: 1, 3, 4, 7(1), 8, 9, 11, 15(1), 18, 20, 22, 23(1), 40
64(1), 70, 71

COSEM classes found but not tested: (none)