

Certification No. 2211

This is to certify that the metering equipment identified as:

Type: OMNIPOWER (1251-V1) Electricity Meter Id=35303938313235312D56310000
Mgmt. SAP = 1 is "4B414D0001000000CA95" (KAM)
Manufactured by: Kamstrup A/S

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: Kamstrup (21-07-2008)
- 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 | GENERAL_GLO_ CIPHERING, SUITE_0, KEY_TRANSFER | 30-SEP- 2019 15:16:06 | C1642ADDB6AFB2ECE3B6F25D10F61AC5 02A3C0D13472337F38AF87AEC65B8A99 |

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.



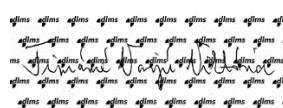
The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

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 7th October 2019



Gyöző Kmethy
President



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 = "\Kamstrup A/S"  
  FLAGid = "\KAM"  
  Type = "\OMNIPower (1251-V1) Electricity Meter"  
  IUTIsModule = FALSE  
  SerialNr = "\00ca95"  
  Comment = "\OMNIA 5.6 Meter firmware (1251_V1)"  
}
```

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

| TYPE | TOTAL | SKIPPED | INAPPLICABLE | INCONCLUSIVE | PASSED | FAILED |
|--------|-------|------------------------------------------------------------|--------------|--------------|--------|--------|
| ---- | ----- | ----- | ----- | ----- | ----- | ----- |
| HDLC | 36 | 0 | 1 | 0 | 35 | 0 |
| APPL | 58 | 0 | 16 | 0 | 42 | 0 |
| COSEM | 2261 | 0 | 2 | 26 | 2233 | 0 |
| SYMSEC | 36 | 0 | 8 | 0 | 28 | 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:             GENERAL_GLO_CIPHERING, SUITE_0, KEY_TRANSFER  
  
Data protection features:      (not collected)  
  
Logical device(s) found:      SAP = 16 is "4B414D001000000CA95" (KAM)  
                                SAP = 1 is "4B414D0001000000CA95" (KAM)  
  
Active firmware(s):           Id=35303938313235312D56310000  
  
COSEM classes tested:         1, 3, 4, 7(1), 8, 9, 11, 15(2), 17, 18, 20, 23(1), 64  
                                70  
  
COSEM classes found but not tested: (none)
```