

Certification No. 2205

This is to certify that the metering equipment identified as:

Type: OMNIPOWER (1516-C1) Electricity Meter Active firmware(s): Id=35303938313531362D43310000
Mgmt. SAP = 1 is "4B414D0001000000411F" (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 | SERVICE_SPECIFIC_GLO_ CIPHERING, SUITE_0 KEY_TRANSFER | 13-AUG- 2019 08:54:14 | 3181B294FE2E293E532949521D46B01F89 2B6100CEE0DC6D0FC836388D1BE926 |

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.



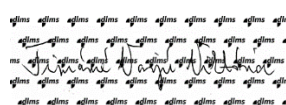
The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

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 26th September 2019



Gyöző Kmethy
President



Viktória Varjú Timárné
Certification Engineer

Certification No. 2205

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 (1516-C1) Electricity Meter"
  IUTIsModule = FALSE
  SerialNr = "\00411f"
  Comment = "\OMNIA 5.3 Patch August Meter firmware (1516_C1)"
}
```

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

| TYPE | TOTAL | SKIPPED | INAPPLICABLE | INCONCLUSIVE | PASSED | FAILED |
|--------|-------|--|--------------|--------------|--------|--------|
| ---- | ----- | ----- | ----- | ----- | ----- | ----- |
| HDLC | 36 | 0 | 1 | 0 | 35 | 0 |
| APPL | 58 | 0 | 16 | 0 | 42 | 0 |
| COSEM | 2147 | 0 | 2 | 26 | 2119 | 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 "4B414D001000000411F" (KAM)
                                  SAP = 1 is "4B414D000100000411F" (KAM)

Active firmware(s):             Id=35303938313531362D43310000

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)
```