

Certification No. 2186

This is to certify that the metering equipment identified as:

Type: Itron A100 Gen 5

Mgmt. SAP = 1 is "49544531303230373030303030303136" (ITE1020700000016)

Manufactured by: ITRON

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

- CTT version: CTT 3.0 standard edition, 64bits (109)
- Licensed to: 20151030_Wasion_Group_Ltd_Changsha_City_Hunan_Prov_China (2015-10-29)
- 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 | KEY_TRANSFER, SERVICE_SPECIFIC_GLO_ CIPHERING | 02-SEP-2019 16:08:40 | 52AC0299B79A30F975BDF4B8C 100E10B382A8B05093042698E50 6F24BB1759E0 |

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 16th September 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 = "\ITRON"  
  FLAGid = "\ITE"  
  Type = "\Itron A100 Gen 5"  
  IUTIsModule = FALSE  
  SerialNr = "\ITE1020700000016"  
}
```

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

| TYPE | TOTAL | SKIPPED | INAPPLICABLE | INCONCLUSIVE | PASSED | FAILED |
|--------|-------|---------|--------------|--------------|--------|--------|
| ---- | ----- | ----- | ----- | ----- | ----- | ----- |
| HDLC | 36 | 0 | 1 | 0 | 35 | 0 |
| APPL | 49 | 0 | 11 | 0 | 38 | 0 |
| COSEM | 1179 | 0 | 7 | 40 | 1132 | 0 |
| SYMSEC | 60 | 0 | 20 | 0 | 40 | 0 |

```
Communication profile:          HDLC  
Application context names:     LONG_NAMES, LONG_NAMES_WITH_CIPHERING  
Security mechanisms:           NO_SECURITY, HIGH_LEVEL_SECURITY_GMAC  
ACSE and xDLMS features:      ACTION, GET, MULTIPLE_REFERENCES, RLRQ_RLRE  
                                SELECTIVE_ACCESS  
                                SERVICE_SPECIFIC_BLOCK_TRANSFER, SET  
Security features:             KEY_TRANSFER, SERVICE_SPECIFIC_GLO_CIPHERING  
Logical device(s) found:      SAP = 1 is "49544531303230373030303030303136"  
(ITE1020700000016)  
COSEM classes tested:          1, 3, 4, 5, 6, 7 (1), 8, 9, 11, 15 (1), 17, 18, 19 (1), 20  
                                21, 22, 23 (1), 29 (2), 40, 41, 43, 48, 64, 70, 71  
                                72 (1), 74, 90 (1), 91 (1), 92 (1)  
COSEM classes found but not tested: (none)
```