

Certification No. 2240

This is to certify that the metering equipment identified as:

Type: ITE541 Active firmware(s): Id=I1.07 2019-11-20 S=2281146A
Mgmt. SAP = 1 is "49544531383130323030303030303033" (ITE1810200000003)
Manufactured by: ITRON

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20160322_ITRON (3/22/2016)
- 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 optical	HDLC, MODE_E	LONG_NAMES, LONG_NAMES WITH CIPHERING	SERVICE_SPECIFIC_GLO_ CIPHERING, SUITE_0	21-NOV-2019 15:44:48	026F9403A78009743C7126997730D9B8981 187512FE1CB3CDD44EBA701466514
Test 2 serial	HDLC, DIRECT_HDLC		SECURITY_ACTIVATE, KEY_TRANSFER	21-NOV-2019 14:09:55	3C4C36139D9C3FD8FB4AC4370FCE88E9 00833CDF099F67BCC8615B0FE2AC2F02

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.



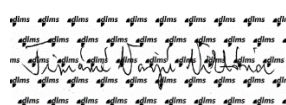
The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

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 22nd November 2019



Gyöző Kmethy
President



Viktória Varjú Timárné
Certification Engineer

Certification No. 2240

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 = "\ITE541"  
  SerialNr = "\00000003"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (MODE_E)				
APPL	104	0	21	0	83	0
COSEM	4582	0	21	620	3941	0
SYMSEC	107	0	17	0	90	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, LOW_LEVEL_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  
                                SECURITY_ACTIVATE, KEY_TRANSFER  
  
Data protection features:      (not collected)  
  
Logical device(s) found:      SAP      =      1      is      "49544531383130323030303030303033"  
(ITE1810200000003)  
  
Active firmware(s):           Id=I1.07 2019-11-20 S=2281146A  
  
COSEM classes tested:         1, 3, 4, 5, 7(1), 8, 9, 11, 15(1), 17, 18, 19(1), 20, 22  
                                23(1), 40, 64, 70, 112, 115  
  
COSEM classes found but not tested: (none)
```

Summary of features tested for Test 2

Certification No. 2240

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 = "\ITE541"  
  SerialNr = "\00000003"  
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	4	0	32	0
APPL	104	0	21	0	83	0
COSEM	4582	0	21	620	3941	0
SYMSEC	107	0	17	0	90	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, LOW_LEVEL_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
SECURITY_ACTIVATE, KEY_TRANSFER

Data protection features: (not collected)

Logical device(s) found:
SAP = 1 is "49544531383130323030303030303033"
(ITE1810200000003)

Active firmware(s): Id=I1.07 2019-11-20 S=2281146A

COSEM classes tested: 1, 3, 4, 5, 7(1), 8, 9, 11, 15(1), 17, 18, 19(1), 20, 22
23(1), 40, 64, 70, 112, 115

COSEM classes found but not tested: (none)