



# CERTIFICATE OF COMPLIANCE

**Certificate N°:** 2697 **Issue date:** January 18th, 2022  
**Applicant:** Inhemeter Co., Ltd. **Issued to:** Inhemeter Co., Ltd.

8/F & 9/F, 1A, Software Park  
Southern High-tech Zone,  
Nanshan District  
518054-Shenzhen  
China

8/F & 9/F, 1A, Software Park  
Southern High-tech Zone,  
Nanshan District  
518054-Shenzhen  
China

**The certified product listed below is eligible to bear the DLMS UA Mark shown**



## PRODUCT

Model: i310

Type: i310

Firmware ID: Id=TKI1-6F-20112401 S=E109EC38,  
Id=36462D454D552D313931323235303100 S=191D887C,  
Id=SPGR2-201025 S=V02.10

Mgmt LDN (SAP = 1): "49484D313033330313030303030303034" (IHM1030100000104)

Manufacturer: Inhemeter Co.,Ltd.

Media Identifiers: Abstract, Electricity

## CONFORMANCE SPECIFICATION

COSEM IF Classes and OBIS Codes: Blue Book Ed. 14

DLMS/COSEM Protocol: Green Book Ed. 10

## TEST TOOL & SPEC.

Test Specification: Yellow Book Ed. 8

Test Tool Version: CTT 4.1

Test Tool Licensee: Inhemeter Co., Ltd.

COSEM Object definition file: Object\_defs\_v14.0\_Released\_211011.dat

Communication profiles: HDLC, TCP

This Certificate of Compliance is based on an evaluation of a test report based on a single test executed on one specimen of the product, as identified by the Product data above. This Certificate is issued on the condition that the holder complies and will continue to comply with the requirement and procedures issued by DLMS UA. The authenticity of the test report has been verified by the DLMS User Association and the equipment identified above is listed on its web site at: [www.dlms.com](http://www.dlms.com).



# CERTIFICATE OF COMPLIANCE

## Certificate N°: 2697

Test File: CTT Test files i310\_HDLC\_CTT4.1\_object4.0-20220112 tested with CTT 4.1, release 100

### \* Identification \*

\*\*\*\*\*

```
Identification = {
  Manufacturer = "\INHEMETER CO.,LTD."
  FLAGid = "\IHM"
  Type = "\i310"
  ConfigurationId = "\ConfigurationId"
  SerialNr = "\99990000104"
  Comment = "\smart meter G3-PLC"
  Applicant = "\INHEMETER CO.,LTD."
}
```

\*\*\*\*\*

### \* Summary \*

\*\*\*\*\*

TEST SUITE	TOTAL	PASSED	FAILED
-----	-----	-----	-----
HDLC	31	31	0
APPL	78	78	0
SecMsg	25	25	0
COSEM	15449	15449	0
DP	0	0	0
SymKey	51	51	0
SecPol	12	12	0

Communication profile: HDLC

Logical device(s) found: SAP = 1 is "49484D313033330313030303030303034"  
(IHM1030100000104)

Active firmware(s): Id=TKI1-6F-20112401 S=E109EC38  
Id=36462D454D552D313931323235303100 S=191D887C  
Id=SPGR2-201025 S=V02.10

Application context names: LONG\_NAMES, LONG\_NAMES\_WITH\_CIPHERING

Authentication mechanisms: NO\_SECURITY  
HIGH\_LEVEL\_SECURITY\_SHA1  
HIGH\_LEVEL\_SECURITY\_GMAC  
HIGH\_LEVEL\_SECURITY\_SHA256

ACSE and xDLMS features: ACTION, GET, MULTIPLE\_REFERENCES,  
SERVICE\_SPECIFIC\_BLOCK\_TRANSFER, SET,  
PROFILE\_BUFFER\_SELECTIVE\_ACCESS\_BY\_RANGE,  
PROFILE\_BUFFER\_SELECTIVE\_ACCESS\_BY\_ENTRY

Security features: GENERAL\_GLO\_CIPHERING  
SERVICE\_SPECIFIC\_DED\_CIPHERING  
SERVICE\_SPECIFIC\_GLO\_CIPHERING  
SUITE\_0  
SECURITY\_ACTIVATE  
KEY\_TRANSFER

COSEM classes tested: 1,3,4,5,6,7(1),8,9,11,15(1),17,18,20,21,22,27(1),28(2),29(2),40,  
41,42,43,44,45,47,48, 70,71,90(1),91(1),92(1),111,112,113,115



# CERTIFICATE OF COMPLIANCE

**Certificate N°: 2697**

Test File: CTT Test files i310\_TCP\_CTT4.1\_object4.0-20220112 tested with CTT 4.1, release 100

\*\*\*\*\*

**\* Identification \***

\*\*\*\*\*

```
Identification = {
  Manufacturer = "\INHEMETER CO.,LTD."
  FLAGid = "\IHM"
  Type = "\i310"
  ConfigurationId = "\ConfigurationId"
  SerialNr = "\99990000104"
  Comment = "\smart meter G3-PLC"
  Applicant = "\INHEMETER CO.,LTD."
}
```

\*\*\*\*\*

**\* Summary \***

\*\*\*\*\*

TEST SUITE	TOTAL	PASSED	FAILED
-----	-----	-----	-----
APPL	79	79	0
SecMsg	25	25	0
COSEM	15422	15422	0
DP	0	0	0
SymKey	51	51	0
SecPol	12	12	0

Communication profile: TCP

Logical device(s) found: SAP = 1 is "49484D313033330313030303030313034"  
(IHM1030100000104)

Active firmware(s): Id=TKI1-6F-20112401 S=E109EC38  
Id=36462D454D552D313931323235303100 S=191D887C  
Id=SPGR2-201025 S=V02.10

Application context names: LONG\_NAMES, LONG\_NAMES\_WITH\_CIPHERING

Authentication mechanisms: NO\_SECURITY  
HIGH\_LEVEL\_SECURITY\_SHA1  
HIGH\_LEVEL\_SECURITY\_GMAC  
HIGH\_LEVEL\_SECURITY\_SHA256

ACSE and xDLMS features: ACTION, GET, MULTIPLE\_REFERENCES, RLRQ\_RLRE,  
SERVICE\_SPECIFIC\_BLOCK\_TRANSFER, SET,  
PROFILE\_BUFFER\_SELECTIVE\_ACCESS\_BY\_RANGE,  
PROFILE\_BUFFER\_SELECTIVE\_ACCESS\_BY\_ENTRY  
GENERAL\_GLO\_CIPHERING  
SERVICE\_SPECIFIC\_DED\_CIPHERING  
SERVICE\_SPECIFIC\_GLO\_CIPHERING  
SUITE\_0  
SECURITY\_ACTIVATE  
KEY\_TRANSFER

COSEM classes tested: 1,3,4,5,6,7(1),8,9,11,15(1),17,18,20,21,22,28(2),29(2),40,41,  
42,43,44,45,47,48,64,70,90(1),91(1),92(1),111,112,113,115