

## Certification No. 2501

This is to certify that the metering equipment identified as:

**Type: DTSY1277 Active firmware(s): Id=V1.20**  
**Mgmt. SAP = 1 is "4B4C45303030303030303030" (KLE00000030)**  
**Manufactured by: SHIJIAZHUANG KELIN ELECTRIC CO.,LTD.**

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20161014\_SHIJIAZHUANG\_KELIN\_ELECTRIC\_CO (14-10-2016)
- 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	HDLC, DIRECT_HDLC	LONG_NAMES, LONG_NAMES _WITH_ CIPHERING	GENERAL_GLO_CIPHERING, GENERAL_SIGNING SERVICE_SPECIFIC_DED_ CIPHERING	24-DEC-2020 14:50:22	DE6C519EF12AFE18C83E649FEAAA28D9 A2D256C49F230FE2DB91546B3447CD48
Test 2	TCP		SERVICE_SPECIFIC_GLO_ CIPHERING, SUITE_0 SUITE_1, SECURITY_ACTIVATE, KEY_TRANSFER	25-DEC-2020 14:35:33	DEFE884A939955EAED5F863EF540C8F4E A55B785A10198ED8AB1509F1A127B49

This DTSY1277 meter device type has already been certified as Certification No. 2377 tested at 5th August 2020 with CTT 3.1 release 106 on DIRECT HDLC and TCP communication profiles.

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](http://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: Sursee, the 31<sup>st</sup> December 2020



*Sergio Lazzarotto*  
Executive Director and President



*Győző Kmety*  
President Emeritus



*Viktória Varjú*  
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 = "\SHIJIAZHANG KELIN ELECTRIC CO.,LTD."  
  FLAGid = "\KLE"  
  Type = "\DTSY1277"  
  SerialNr = "\00000013"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	3	0	33	0
APPL	69	0	18	0	51	0
COSEM	1137	0	7	97	1033	0
SYMSEC		All (No ciphered association with the required properties)				
PUBSEC	37	0	19	0	18	0
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\_ECDSA

ACSE and xDLMS features: ACTION, GET, RLRQ\_RLRE  
SERVICE\_SPECIFIC\_BLOCK\_TRANSFER, SET

Security features: GENERAL\_GLO\_CIPHERING, GENERAL\_SIGNING  
SERVICE\_SPECIFIC\_DED\_CIPHERING  
SERVICE\_SPECIFIC\_GLO\_CIPHERING, SUITE\_0  
SUITE\_1, SECURITY\_ACTIVATE, KEY\_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "4B4C4530303030303030303330" (KLE00000030)

Active firmware(s): Id=V1.20

COSEM classes tested: 1, 3, 4, 7(1), 8, 9, 15(1), 20, 22, 23(1), 40, 41, 48  
64, 64(1), 70, 71

COSEM classes found but not tested: (none)

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## Summary of features tested for Test 2

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 = "\SHIJIAZHANG KELIN ELECTRIC CO.,LTD."
  FLAGid = "\KLE"
  Type = "\DTSY1277"
  SerialNr = "\00000013"
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (Communication profile not HDLC)				
APPL	69	0	17	0	52	0
COSEM	1137	0	7	97	1033	0
SYMSEC		All (No ciphered association with the required properties)				
PUBSEC	37	0	19	0	18	0
DP	0	0	0	0	0	0
GBT		All (No association with the required properties)				

Communication profile: TCP

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

Authentication mechanisms: NO\_SECURITY, LOW\_LEVEL\_SECURITY  
HIGH\_LEVEL\_SECURITY\_ECDSA

ACSE and xDLMS features: ACTION, GET, RLRQ\_RLRE  
SERVICE\_SPECIFIC\_BLOCK\_TRANSFER, SET

Security features: GENERAL\_GLO\_CIPHERING, GENERAL\_SIGNING  
SERVICE\_SPECIFIC\_DED\_CIPHERING  
SERVICE\_SPECIFIC\_GLO\_CIPHERING, SUITE\_0  
SUITE\_1, SECURITY\_ACTIVATE, KEY\_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "4B4C4530303030303030303330" (KLE00000030)

Active firmware(s): Id=V1.20

COSEM classes tested: 1, 3, 4, 7 (1), 8, 9, 15 (1), 20, 22, 23 (1), 40, 41, 48  
64, 64 (1), 70, 71

COSEM classes found but not tested: (none)