

Certification No. 2075

This is to certify that the metering equipment identified as:

Type: DTSD545-WC160 Active firmware Id=HMS3XX25121G6G00000000181219110
Mgmt. SAP = 1 is "484C59303030303030303030303030" (HLY000000000000)
Manufactured by: Holley Technology LTD

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

- CTT version: CTT 3.1 extended edition, 64bits, release 107
- Licensed to: 20180824_Holley_Technology_China (2018/8/24)
- COSEM object definitions file version: Object_defs_v3.2_released_180306.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, MODE_E	LONG_NAMES	–	19-FEB-2019 09:49:54	B738B47C74332DC4E51954CE91B914A61 DCEEDA2A56E93537156CEED62FEE5DB
Test 2	HDLC, DIRECT_HDLC	LONG_NAMES	–	25-FEB-2019 12:26:50	77212A43C2DEEE4E29081EECCDEC17FC 73A583230E6FFD17D5E022F61B0FFE59

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 February 2019



Győző Kmethy
President

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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 = "\Holley Technology LTD"  
  FLAGid = "\HLY"  
  Type = "\DTSD545-WC160"  
  ConfigurationId = "0000000000000001"  
  SerialNr = "000020190131"  
  Comment = "\FOR GBCS COSEM TEST"  
  Comment = "\NO"  
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (MODE_E)				
APPL	58	0	19	0	39	0
COSEM	552	0	1	72	479	0
SYMSEC		All (No ciphered association with the required properties)				
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

Authentication mechanisms: NO_SECURITY, LOW_LEVEL_SECURITY

ACSE and xDLMS features: GET, MULTIPLE_REFERENCES
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: (not collected)

Data protection features: (not collected)

Logical device(s) found:
(HLY0000000000000000) SAP = 1 is "484C5930303030303030303030303030"

Active firmware(s): Id=HMS3XX25121G6G00000000181219110

COSEM classes tested: 1,3,4,7(1),8,11,15,18

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 = "\Holley Technology LTD"  
  FLAGid = "\HLY"  
  Type = "\DTSD545-WC160"  
  ConfigurationId = "0000000000000001"  
  SerialNr = "000020190131"  
  Comment = "\FOR GBCS COSEM TEST"  
  Comment = "\NO"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	58	0	19	0	39	0
COSEM	552	0	1	72	479	0
SYMSEC		All (No ciphered association with the required properties)				
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  
Authentication mechanisms:     NO_SECURITY, LOW_LEVEL_SECURITY  
ACSE and xDLMS features:      GET, MULTIPLE_REFERENCES  
                               SERVICE_SPECIFIC_BLOCK_TRANSFER, SET  
Security features:             (not collected)  
Data protection features:      (not collected)  
Logical device(s) found:      SAP = 1 is "484C5930303030303030303030303030"  
(HLY0000000000000000)  
Active firmware(s):           Id=HMS3XX25121G6G000000000181219110  
COSEM classes tested:         1, 3, 4, 7(1), 8, 11, 15, 18  
COSEM classes found but not tested: (none)
```