

## Certification No. 2197

This is to certify that the metering equipment identified as:

**Type: DTZY6988 Active firmware(s): Id=01-00-00 V=DTSY6988\_HT502X S=4BA5E3BD**  
**Mgmt. SAP = 1 is "484A4D343030303030303030303031" (HJM4000000000001)**  
**Manufactured by: Huaihua Jiannan machinery factory 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: 20190418\_DST\_Shenzhen (2019-04-18)
- 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	SERVICE_SPECIFIC_GLO_ CIPHERING, SUITE_0 KEY_TRANSFER	26-SEP-2019 09:18:02	77078549D84CFEED058F2E85DAE713BD 4B0F397B74517D88C255CAA0D7FE17CC

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: Zug, the 26<sup>th</sup> 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 = "\Huaihua Jiannan machinery factory CO.,Ltd"  
  FLAGid = "\HJM"  
  Type = "\DTZY6988"  
  ConfigurationId = "\ConfigurationId"  
  SerialNr = "\000000000001"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	55	0	17	0	38	0
COSEM	2263	0	1	103	2159	0
SYMSEC	33	0	9	0	24	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, HIGH\_LEVEL\_SECURITY\_GMAC

ACSE and xDLMS features: ACTION, GET, MULTIPLE\_REFERENCES  
SELECTIVE\_ACCESS  
SERVICE\_SPECIFIC\_BLOCK\_TRANSFER, SET

Security features: SERVICE\_SPECIFIC\_GLO\_CIPHERING, SUITE\_0  
KEY\_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "484A4D343030303030303030303031"  
(HJM4000000000001)

Active firmware(s): Id=01-00-00 V=DTSY6988\_HT502X S=4BA5E3BD

COSEM classes tested: 1, 3, 4, 5, 7(1), 8, 9, 11, 15(1), 17, 18, 19(1), 20, 21  
22, 23(1), 64, 70, 71, 111, 112, 113, 115

COSEM classes found but not tested: (none)