

Certification No. 1805

This is to certify that the metering equipment identified as:

Type: MT880-D2

Mgmt. Logical Device Name: SAP = 1 is "49534B31373230313335383037303939" (ISK1720135807099)

Manufactured by: Iskraemeco d.d.

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

- CTT version: CTT 3.0 standard edition, 64bits (103)
- Licensed to: Licensed to: ISKRAEMECO d.d. (25.2.2003)
- COSEM object definitions file version: Object_defs_v3.0_Released_170127.dat
- Media identifier(s): Abstract, Electricity

Tests	Comm. profile & opening mode	Application contexts	Security suite	Date and time	Test Result hash value
Test 1 optical	HDLC, MODE_E	LONG_NAMES, LONG_NAMES_WITH_ CIPHERING	0	31-MAR-2017 14:32:52	BC608839C77C68C53A0D4DFA22064D5D9 B9FB23D8768EC43B79F55CB9570BF3B
Test 2 RS485	HDLC, DIRECT_HDLC	LONG_NAMES, LONG_NAMES_WITH_ CIPHERING	0	31-MAR-2017 12:56:40	BC6AE6EE7A27A09751E7CA601344C4C63 7C41FC3DCA7D6C11F5403CD0F7F72E6

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 31st March 2017



Gyöző Kmety
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 = "\Iskraemeco d.d."
  FLAGid = "\ISK"
  Type = "\MT880-D2"
  IUTisModule = FALSE
  SerialNr = "\35807099"
  Comment = ""
  Comment = ""
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (MODE_E)				
APPL	80	0	16	0	64	0
COSEM	18658	0	18	22	18618	0
SYMSEC	74	0	11	6	57	0

Communication profile: HDLC

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Security mechanisms: NO_SECURITY, LOW_LEVEL_SECURITY
HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: ACTION, GET, MULTIPLE_REFERENCES, RLRQ_RLRE
SELECTIVE_ACCESS
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: ACTIVATE_SECURITY_POLICY, KEY_TRANSFER
SERVICE_SPECIFIC_GLO_CIPHERING

Logical device(s) found: SAP = 1 is "49534B31373230313335383037303939"
(ISK1720135807099)

COSEM classes tested: 1, 3, 4, 5, 6, 7(1), 8, 9, 11, 15(1), 17, 18, 19(1), 20
21, 22, 23(1), 40, 64, 70

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 = "\Iskraemeco d.d."  
  FLAGid = "\ISK"  
  Type = "\MT880-D2"  
  IUTIsModule = FALSE  
  SerialNr = "\35807099"  
  Comment = ""  
  Comment = ""  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	4	0	32	0
APPL	80	0	16	0	64	0
COSEM	18658	0	18	22	18618	0
SYMSEC	74	0	11	6	57	0

Communication profile: HDLC

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Security mechanisms: NO_SECURITY, LOW_LEVEL_SECURITY
HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: ACTION, GET, MULTIPLE_REFERENCES, RLRQ_RLRE
SELECTIVE_ACCESS
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: ACTIVATE_SECURITY_POLICY, KEY_TRANSFER
SERVICE_SPECIFIC_GLO_CIPHERING

Logical device(s) found: SAP = 1 is "49534B31373230313335383037303939"
(ISK1720135807099)

COSEM classes tested: 1, 3, 4, 5, 6, 7(1), 8, 9, 11, 15(1), 17, 18, 19(1), 20
21, 22, 23(1), 40, 64, 70

COSEM classes found but not tested: (none)