



OIML Member State
P. R. China



OIML Certificate No.
R46/2012-B-CN2-2019.02

OIML CERTIFICATE

ISSUED UNDER SCHEME B

OIML Issuing Authority Name: National Institute of Metrology, China
Address: No.18, Bei San Huan Dong Lu, Chaoyang Dist, Beijing, P.R.China
Person responsible: Mr. Fang Xiang, Director

Applicant Name: DZG Metering GmbH
Address: Heidelberger Strasse 32 D-16515 Oranienburg

Manufacturer Name: DZG Metering GmbH
Address: Heidelberger Strasse 32 D-16515 Oranienburg

Identification of the certified type 3 Phase 4 Wire Electronic Meter
E3005-SA, 3×133/230V...3×230/400V, 0.5-10(100)A, 60Hz, Active: Cl.B
(Further characteristics on page 2)

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R46-1/-2 Edition 2012(E)

For accuracy class: **B**

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

OIML Issuing Authority: **National Institute of Metrology, China**

Date: 26 November 2019



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Fang Xiang
Director
National Institute of Metrology, China

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report:

No. TER-R46/2012-CN2-2019.02 dated 25 November 2019 that includes 15 pages

and the associated OIML test report:

No. ZJIM-DNO-20190800062 dated 14 November 2019 that includes 64 pages

OIML Certificate History

Revision No.	Date	Description of the modification
0	26 November 2019	Initial issue

Characteristics of the Instrument

Application no.:	OIMLCN200013		
Meter manufacturer:	DZG Metering GmbH		
Meter model:	E3005-SA		
Serial number(s):	19069001, 19069002, 19069003, 19069004, 19069005		
Meter type (electromechanical/static):	static		
Accuracy class:	<input type="checkbox"/> A <input checked="" type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D		
Nominal voltage:	133, 230	V	
Nominal frequency:	60	Hz	
Maximum current:	100	A	
Transitional current:	1	A	
Minimum current:	0.5	A	
Starting current:	0.04	A	
<input checked="" type="checkbox"/> Direct-connected <input type="checkbox"/> Current transformer <input type="checkbox"/> Current and voltage transformers			
Connection mode (phases, wires, elements):	3 phases 4 wires, 3 elements		
Direction of energy flow / registers:	<input type="checkbox"/> Single-register, bi-directional <input type="checkbox"/> Single-register, positive direction only <input checked="" type="checkbox"/> Two-register, bi-directional <input type="checkbox"/> Single-register, uni-directional		
Register multiplier:	/		
Meter constant:	1000 imp/kWh		
Specified clock frequencies:	Metering chip: 7.864320MHz, Metering MCU: 32.768kHz, Main MCU: 32.768kHz		
Indoor / Outdoor:	Indoor		
IP Rating IP:	IP54		
Terminal arrangement (BS/DIN):	BS		
Insulation protection class:	II		
Lower specified temperature:	<input type="checkbox"/> -55 °C <input type="checkbox"/> -40 °C <input checked="" type="checkbox"/> -25 °C <input type="checkbox"/> -10 °C <input type="checkbox"/> +5 °C		
Upper specified temperature:	<input type="checkbox"/> +30 °C <input type="checkbox"/> +40 °C <input type="checkbox"/> +55 °C <input checked="" type="checkbox"/> +70 °C		
Humidity class	<input type="checkbox"/> H1 <input checked="" type="checkbox"/> H2 <input type="checkbox"/> H3		
Tilt / Mounting position	<input type="checkbox"/> Mounting position specified <input checked="" type="checkbox"/> Any position is allowed		

Hardware version(s)	Functional PCB: DTSD-SZ5-VD2.3_2019.05.21.PCB, DTSD-SY5-VD2.1_2019.04.30.PCB Power PCB: DTSD-SD5-VD2.3_2019.05.21 Interface PCB: DTSD-SJ5-VD1.9_2019.03.13.PCB, DTSD-SQ5-VD2.2_2019.05.19.PCB
Software version(s)	Metering MCU: VS-000.9, Checksum: 9C65 Main MCU: VS-000.8, Checksum: C39A

Remarks:

Communication interfaces: 1 Optical port, 2 RS485 ports.

