



OIML Member State  
P. R. China



OIML Certificate No.  
R46/2012-B-CN2-2019.01

## 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: Shenzhen Star Instrument Co., Ltd.  
Address: Star Industrial Park, Baolong Industrial City, Longgang District, Shenzhen, China

**Manufacturer** Name: Shenzhen Star Instrument Co., Ltd.  
Address: Star Industrial Park, Baolong Industrial City, Longgang District, Shenzhen, China

**Identification of the certified type** Single-phase Electrical Energy Meter  
DDS26D 120V 0.25-5(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: 22 November 2019



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

No. TER-R46/2012-CN2-2019.01 dated 21 November 2019 that includes 13 pages

and the associated OIML test report:

No. SIMT2019F14-41-001 dated 23 August 2019 that includes 75 pages

### OIML Certificate History

Revision No.	Date	Description of the modification
0	22 November 2019	Initial issue

### Characteristics of the Instrument

Application no.:	OIMLCN200012		
Meter model:	DDS26D		
Meter name:	Single-phase Electronic Energy Meter		
Serial number(s):	1903699011,1903699012,1903699015		
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, $U_{nom}$ :		120	V
Nominal frequency, $f_{nom}$ :		60	Hz
Maximum current, $I_{max}$ :		100	A
Transitional current, $I_{tr}$ :		0.5	A
Minimum current, $I_{min}$ :		0.25	A
Starting current, $I_{st}$ :		0.02	A
	<input checked="" type="checkbox"/> Direct-connected <input type="checkbox"/> Current transformer <input type="checkbox"/> Current and voltage transformers		
Connection mode (phases, wires, elements):	Single phase two wires, one element		
Alternative connection mode(s):	No		
Direction of energy flow / registers:	Single-register, bi-directional		
Meter constant:	3200imp/kWh		
Specified clock frequencies:	32.768kHz		
Indoor / Outdoor:	Indoor		
IP Rating:	IP54		
Terminal arrangement (e.g: BS, DIN):	BS		
Insulation protection class:	II		
Lower specified temperature:	<input type="checkbox"/> -55°C	<input checked="" type="checkbox"/> -40°C	<input 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):	K131-V2-BGZ108X-301-MCU		
Software version(s):	Active MTR firmware version: V0104 Active MTR firmware signature: D98524C4		
Communication interface(s):	1 Optical port, 1 RS485 port		