

## EU-TYPE EXAMINATION CERTIFICATE

Certificate number	1108-15
Manufacturer	Shenzhen Star Instrument Co.Ltd.
Contact person	Mrs Li Wang
Address	Star Industry Park, Baolong Industry City, Longgang District
Postal code, City	518116, Shenzhen
Country	China
Production site	Shenzhen Star Instrument Co., Ltd.
Address	Star Industry Park, Baolong Industry City, Longgang District
Postal code, City	518116, Shenzhen
Country	China
Instrument	Electronic three-phase four-wire energy meter Transformer connected
Mark - Type	STK345, DTSY23S, DTSY23, DTS27
Register	LCD
Accuracy Class	Active: C Reactive: 1
Measurement range	57,7/100 .. 240/415 V 0,01 .. 1(10)A 50 or 60Hz Active: 12000 imp./kWh reactive: 12000 imp./kvarh
Temperature range	-25 .. 55 °C
Use	Indoor, not sensitive to phase sequence
Protection Class	II
Environmental class	M1, E1 and E2
Registry method	Bi-directional method separate registers: received- and delivered energy of the whole connection is added in separate registers

The energy meters meet the requirements of Directive 2014/32/EU, on the harmonisation of the laws of Member States relating to the making available on the market of measuring instruments (recast).

Certification was based on compliance with the following harmonised standards:

EN 50470-1 (2006)	Electricity metering equipment (a.c.)-part 1: General requirements, tests and test conditions - Metering equipment (class indexes A, B and C)
EN 50470-3 (2006)	Electricity metering equipment (a.c.)-part 3: Particular requirements - Static meters for active energy (class indexes A, B and C)
Valid until	11 November 2026

Based on a non-recurrent examination.

Version 3 of this certificate. The results are recorded in the following annex: test report 1506-16.

DNV GL Netherlands B.V.



J.P. Fonteijne  
Executive Vice President  
KEMA Laboratories



Arnhem, 11 November 2016

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