

EU-TYPE EXAMINATION CERTIFICATE

Certificate number	1093-19
Manufacturer	Shenzhen Londian Electrics Co., Ltd.
Contact person	Dehong Li
Address	Floor 3, Building 107, Nanyou 1st Industrial Zone, Nanshan District
Postal code, City	518054, Shenzhen, Guangdong
Country	China
Production site	Shenzhen Londian Electrics Co., Ltd. Fuyong Meter Factory
Address	Building D, Phoenix 2nd Industrial Zone, Fuyong Street, Bao'an District
Postal code, City	518103, Shenzhen, Guangdong
Country	China
Instrument	Electronic single-phase two-wire energy meter. Direct connected
Mark - Type	LD103 and LD103A
Register	LCD
Accuracy Class	B
Measurement range	230 V, 0,25..5(100) A, 50 Hz active: 1000 imp./kWh; reactive: 1000 imp./kvarh
Temperature range	-40 .. 70 °C
Use	Indoor
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	14 March 2029

Based on a non-recurrent examination.

Version 4 of this certificate. The results are recorded in the following annex: test report 1092-19 V4.

KEMA B.V.



Bas Verhoeven
Director, High-Voltage
Laboratory



Arnhem, 7 May 2019

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