

# CERTIFICATE

## EC-Type examination certificate 7031-12

Manufacturer : Microstar Electric Company Limited  
Contact person : Changchun Yang  
Address : 10 Dajiang Road  
Postal code, Place : 210039 Nanjing  
Country : China

Production site : Microstar Electric Company Limited  
Address : 10 Dajiang Road  
Postal code, Place : 210039 Nanjing  
Country : China

Instrument : Electronic three-phase four-wire energy meter  
Transformer connected

Mark - Type : P 2000-T  
Register : LCD  
Accuracy Class : 0,2S / C  
Measurement range : 57,7/100 to 240/415 V  
1(10) A  
50 or 60 Hz  
4000 imp./kWh

Temperature range : -25°C..55°C  
Use : Indoor  
Protection Class : II  
Environmental class : M1, E2  
Registry method : bi-directional method separate registers: received- and delivered energy of the whole connection is added in separate registers.

The energy meter meets the requirements of Directive 2004/22/EC of the European parliament and the council of 31 March 2004 on measuring instruments.

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 : 7 November 2022

Based on a non-recurrent examination.

The results are recorded in the following annex: test report 72141147 -TIC 7031-12.

KEMA Nederland B.V. Calibration & Metering  
Arnhem, 7 November 2012

  
ing. R.H. Garssen  
Certification manager  
Notified body number 2290

  
ing. S.A.M. Verhoeven  
Director Testing, Inspections & Certification

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Integral publication of this certificate and adjoining reports is allowed.  
This certificate is issued provided that neither KEMA nor the RvA assumes any liability.