

# CERTIFICATE

## TYPE TEST OF ENERGY METERS

Manufacturer : ZIV Medida S.L.  
Contact person : Ms. Cristina Martinez  
Address : Parque Tecnológico, 210  
Postal code, Place : 48170 Zamudio  
Country : Spain

Production site : ZIV Medida S.L.  
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Country : Spain

Instrument : Electronic single-phase two-wire energy meter  
Direct connected

Mark - Type : 5CTM  
Register : LCD  
Accuracy Class : 1 (Wh), 2 (varh)  
Measurement range : 230 V  
0,25..5(80) A  
50 Hz  
1000 imp./kWh

Use : Indoor  
Protection Class : II  
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:

- IEC 62052-11 (2003) : Electricity metering equipment (a.c.) - General requirements, tests and test conditions - Metering equipment  
IEC 62053-21 (2003) : Electricity metering equipment (a.c.) - Static meters for active energy (classes 1 and 2)  
IEC 62053-23 (2003) : Electricity metering equipment (a.c.) - Static meters for reactive energy (classes 2 and 3)

Based on a non-recurrent examination.

The results are recorded in our test report with reference 72140716-TIC 6959-12.

KEMA Nederland B.V. - Calibration & Metering  
Arnhem, February 24, 2012

  
Ing. R.H. Garssen  
Certification manager

  
ing. S.A.M. Verhoeven  
Director Testing, Inspections & Certification  
Certificate nr. 72140716-TIC 6959-12C

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