



TEST REPORT
IEC62052-31:2015 / EN62052-31:2016

Safety requirements for Electricity metering equipment (AC)
Part 31: Product safety requirements and tests

Report Number : S45160-01-00RE

Date of issue : 2020-05-27

Total number of pages : 139

Name of Testing Laboratory preparing the Report : CSA Group Bayern GmbH
Ohmstrasse 1-4
94342 Strasskirchen, GERMANY

Applicant's name : EMH metering GmbH & Co. KG

Address : Neu-Galliner Weg 1; 19258 Gallin; GERMANY

Test specification:

Standard : EN62052-31:2016

Test procedure : Compliance Test

Non-standard test method : N/A

Test Report Form No. : IEC62052_CSA

Test Report Form(s) Originator : CSA Group Bayern GmbH

Master TRF : 2019-04-15

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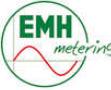
This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

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The test report merely corresponds to the test sample.
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Test item description:	Electricity Metering System
Trade Mark:	
Manufacturer:	EMH EMH metering GmbH & Co. KG Neu-Galliner Weg 1; 19258 Gallin; GERMANY
Model/Type reference:	LZQJ-XC
Ratings:	58/100 V - 240/415 V 3 phases 1 (6) A 50 Hz

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):

<input checked="" type="checkbox"/> Testing Laboratory:	CSA Group Bayern GmbH	
Testing location/ address	Ohmstrasse 1-4 94342 Strasskirchen, GERMANY	
Tested by (name, function, signature)	Reinhard Knott (Test engineer)	Reinhard Knott <i>R. Knott</i> 2020.05.27 13:02:53 +02'00'
Approved by (name, function, signature) ..	Josef Kellermeier (Safety Team Lead)	<i>J. Kellermeier</i> Josef Kellermeier 2020.05.27 13:56:04 +02'00'

<input type="checkbox"/> Testing procedure: CTF Stage 1:		
Testing location/ address		
Tested by (name, function, signature)		
Approved by (name, function, signature) ..		

<input type="checkbox"/> Testing procedure: CTF Stage 2:		
Testing location/ address		
Tested by (name + signature).....		
Witnessed by (name, function, signature) ..		
Approved by (name, function, signature) ..		

<input type="checkbox"/> Testing procedure: CTF Stage 3:		
<input type="checkbox"/> Testing procedure: CTF Stage 4:		
Testing location/ address		
Tested by (name, function, signature)		
Witnessed by (name, function, signature) ..		
Approved by (name, function, signature) ..		
Supervised by (name, function, signature)		

List of Attachments (including a total number of pages in each attachment)

Document No.	Documents included / attached to this report (description)	Page No.
Annex 1:	Diagrams, layouts, photos	109 – 139
Attachment no 1:	User manual, LZQJXC-BIA-D-2.30-S, May 2019	01 – 27
Attachment no 2:	User manual, LZQJXC-PHB-D-4.00-S, May 2019	01 – 113
Attachment no 3:	IP Test Report, AUCOTEAM, Test report – No. 7660/09, 2010-01-14	01 – 11
Attachment no 4:	List of used measuring instruments and other test devices	01 – 03
Attachment no 5:	User manual, VARIOMODXC-BIA-D-3.10, Feb 26, 2019	01 – 14
Attachment no 6:	User manual, VARIOMODXC-PHB-D-2.00, March 09, 2019	01 – 21

Documents referenced by this report (available on request):

Document Name or No.	Documents description	Page No.
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Summary of testing:		
The tested sample is in compliance with the standard EN62052-31:2016		
Clause	Comment	
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Test Report History:

This report may consist of more than one report and is only valid with additional or previous issued reports:

Report Ref. No.	Item
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Tests performed (name of test and test clause): All applicable tests	Testing location: CSA Group Bayern GmbH Ohmstrasse 1-4 94342 Strasskirchen Germany
Summary of compliance with National Differences (List of countries addressed):	
N/A	
<input checked="" type="checkbox"/> The product fulfils the requirement of EN62052-31:2016	