


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
Copyright © 2017 IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System). All rights reserved. This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context. 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.	
General disclaimer: The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.	

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test results without the written permission of the test laboratory.

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 2020.05.27 13:02:53 +02'00'
Approved by (name, function, signature) ..		Josef Kellermeier (Safety Team Lead)	 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.
--	--	--
Summary of testing: The tested sample is in compliance with the standard EN62052-31:2016		
Clause	Comment	
--	--	

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
--	--
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	