

Certificate

Issue Date: November 28, 2022
Ref. Report No. ISL-21LE853CE-1

Product Name: : iWSN Wireless Power Meter
Model(s) : iWSN-9603-RCT2000P-ME-IP33; iWSN-9603-360-ME-IP33;
iWSN-9603-160-ME-IP33; iWSN-9603-240-ME-IP33;
iWSN-9603-RCT500P-ME-IP33; iWSN-9603-RCT1000P-ME-IP33;
iWSN-9603-PCT-ME-IP33; iWSN-9603-T-RCT; iWSN-9603-T
Brand : ICP DAS
Responsible Party : ICP DAS CO.,LTD.
Address : No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351, Taiwan,
R.O.C.

We, **International Standards Laboratory Corp.**, hereby certify that:

The device bearing the trade name and model specified above has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in European Council Directive- EMC Directive 2014/30/EU and UK Directive Electromagnetic Compatibility Regulations 2016. And Our laboratories is the accredited laboratories and are approved according to ISO/IEC 17025. The device was passed the test performed according to :



Standards:

CE

EN 55011:2016/A1:2017 and CISPR 11:2015/A1:2016
EN 61326-1:2013
EN IEC 61000-3-2:2019 and IEC 61000-3-2:2018
EN 61000-3-3:2013+A1:2019 and IEC 61000-3-3:2013+A1:2017
EN 61000-4-2:2009 and IEC 61000-4-2:208
EN 61000-4-3:2006+A1:2008 +A2:2010 and IEC 61000-4-3:2006+A1:2007+A2:2010
EN 61000-4-4:2012 and IEC 61000-4-4:2012
EN 61000-4-5:2014+A1:2017 and IEC 61000-4-5:2014+A1:2017
EN 61000-4-6:2014+AC:2015 and IEC 61000-4-6:2013
EN 61000-4-8:2010 and IEC 61000-4-8:2009
EN 61000-4-11:2004+A1:2017 and IEC 61000-4-11:2004+A1:2017

UK

BS EN 55011:2016+A11:2020
BS EN 61326-1:2013
BS EN IEC 61000-3-2:2019
BS EN 61000-3-3:2013+A1:2019
BS EN 61000-4-2:2009
BS EN 61000-4-3:2006+A2:2010
BS EN 61000-4-4:2012
BS EN 61000-4-5:2014+A1:2017
BS EN 61000-4-6:2014
BS EN 61000-4-8:2010
BS EN 61000-4-11:2004+A1:2017

I attest to the accuracy of data and all measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

The determination of the test results is determined by customer agreement, regulations or standard document specifications.

The Laboratory evaluates measurement inaccuracies based on regulatory or standard document specifications and is listed in the report for reference. The quantitative project part judges the conformity of the test results based on the evaluation results of the standard cited uncertainty, and the qualitative project does not temporarily evaluate the measurement uncertainty.

Angus Chu / Sr. Manager

International Standards Laboratory Corp. LT Lab.

TEL: +886-3-263-8888 FAX: +886-3-263-8899

No. 120, Lane 180, Hsin Ho Rd., Lung-Tan Dist., Tao Yuan City 325, Taiwan

TEST REPORT

of

EN 55011 / BS EN 55011
EN 61326-1 / BS EN 61326-1
EN IEC 61000-3-2 / BS EN IEC 61000-3-2
EN 61000-3-3 / BS EN 61000-3-3

Product : **iWSN Wireless Power Meter**
Model(s): **iWSN-9603-RCT2000P-ME-IP33;**
iWSN-9603-360-ME-IP33; iWSN-9603-160-ME-IP33;
iWSN-9603-240-ME-IP33;
iWSN-9603-RCT500P-ME-IP33;
iWSN-9603-RCT1000P-ME-IP33;
iWSN-9603-PCT-ME-IP33; iWSN-9603-T-RCT;
iWSN-9603-T
Brand: **ICP DAS**
Applicant: **ICP DAS CO.,LTD.**
Address: **No. 111, Guangfu N. Rd., Hukou Township, Hsinchu**
County 30351, Taiwan, R.O.C.

Test Performed by:



International Standards Laboratory Corp. LT Lab.

TEL: +886-3-263-8888 FAX: +886-3-263-8899

No. 120, Lane 180, Hsin Ho Rd., Lung-Tan Dist., Tao Yuan City 325, Taiwan

Report No.: **ISL-21LE853CE-1**
Issue Date : **November 28, 2022**



Test results given in this report apply only to the specific sample(s) tested and are traceable to national or international standard through calibration of the equipment and evaluating measurement uncertainty herein. The uncertainty of the measurement does not include in consideration of the test result unless the customer required the determination of uncertainty via the agreement, regulation or standard document specification. This test report shall not be reproduced except in full, without the written approval of International Standards Laboratory Corp.

TEST REPORT

of

RE Directive (2014/53/EU) EN 301 489-1/-3

Product: iWSN Wireless Power Meter

Brand: ICP DAS

Model: iWSN-9603-RCT2000P-ME-IP33;
iWSN-9603-360-ME-IP33;
iWSN-9603-160-ME-IP33;
iWSN-9603-240-ME-IP33;
iWSN-9603-RCT500P-ME-IP33;
iWSN-9603-RCT1000P-ME-IP33;
iWSN-9603-PCT-ME-IP33;
iWSN-9603-T-RCT; iWSN-9603-T

Model Difference: For market segmentation

Applicant: ICP DAS CO.,LTD.

Address: No. 111, Guangfu N. Rd., Hukou Township,
Hsinchu County 30351, Taiwan, R.O.C.

Test Performed by:

International Standards Laboratory Corp. LT Lab.



TEL: +886-3-263-8888 FAX: +886-3-263-8899

No. 120, Lane 180, Hsin Ho Rd., Lung-Tan Dist., Tao Yuan City 325,
Taiwan

Report No.: **ISL-21LR246E489**
Issue Date : **2021/11/11**



Test results given in this report apply only to the specific sample(s) tested and are traceable to national or international standard through calibration of the equipment and evaluating measurement uncertainty herein.

The uncertainty of the measurement does not include in consideration of the test result unless the customer required the determination of uncertainty via the agreement, regulation or standard document specification.

This test report shall not be reproduced except in full, without the written approval of International Standards Laboratory Corp.

VERIFICATION OF COMPLIANCE

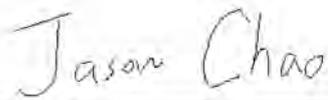
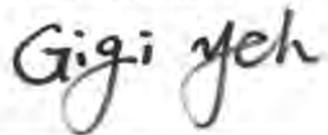
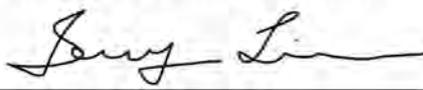
Applicant: ICP DAS CO.,LTD.
Product: iWSN Wireless Power Meter
Brand Name: ICP DAS
iWSN-9603-RCT2000P-ME-IP33; iWSN-9603-360-ME-IP33;
iWSN-9603-160-ME-IP33; iWSN-9603-240-ME-IP33;
Model Number: iWSN-9603-RCT500P-ME-IP33;
iWSN-9603-RCT1000P-ME-IP33; iWSN-9603-PCT-ME-IP33;
iWSN-9603-T-RCT; iWSN-9603-T
Model Different: For market segmentation
Date of Test: 2021/10/15~ 2021/11/3
Date of EUT Received: 2021/10/14

APPLICABLE STANDARDS	
EN 301 489 -1 v2.2.3: 2019	EN 301 489-3 v2.1.1: 2019
EMI: EN 55032 2015+A11:2020	
EMS: EN 61000-4-2:2009	EN 61000-4-3:2006+A1:2008 +A2:2010
EN 61000-4-4:2012	EN 61000-4-5:2014
EN 61000-4-6:2014+AC:2015	EN 61000-4-11:2004

In the configuration tested, the EUT complied with the standards specified above.

Remarks:

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of **International Standards Laboratory Corp.** or testing done by in connection with distribution or use of the product described in this report must be approved by **International Standards Laboratory Corp.** in writing.

Project Engineer:	 <hr/> Jason Chao / Senior Engineer	Date:	2021/11/11
Prepared By:	 <hr/> Gigi Yeh / Senior Engineer	Date:	2021/11/11
Approved By:	 <hr/> Jerry Liu / Assistant Manager	Date:	2021/11/11



Test report No. : 4790121697-EN-R0-V0
Page : 1 of 34
Issued date : 2022/6/9

RADIO TEST REPORT

Product : iWSN Wireless Power Meter

Model Name : iWSN-9603-360-ME-IP33

Series Model : iWSN-9603-160-ME-IP33, iWSN-9603-240-ME-IP33,
iWSN-9603-RCT500P-ME-IP33, iWSN-9603-RCT1000P-ME-IP33,
iWSN-9603-RCT2000P-ME-IP33, iWSN-9603-PCT-ME-IP33,
iWSN-9603-T-RCT, iWSN-9603-T

Test Regulation : ETSI EN 300 220-2 V3.1.1 (2017-02)

Received Date : 2022/3/25

Test Date : 2022/4/7 ~ 2022/4/29

Issued Date : 2022/6/9

Applicant : ICP DAS
No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351,
Taiwan, R.O.C.

Issued By : Underwriters Laboratories Taiwan Co., Ltd.
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd.,
Zhudong Township, Hsinchu County, Taiwan



The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report are responsible of the test sample(s) provided by the client only and are not to be used to indicate applicability to other similar products.

Underwriters Laboratories Taiwan Co., Ltd.

Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan
Telephone : +886-2-7737-3000
Facsimile (FAX) : +886-3-583-7948

Doc No: 17-EM-F0946 / 2.0



1. Attestation of Test Results

APPLICANT: ICP DAS
No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351,
Taiwan, R.O.C.

MANUFACTURER: ICP DAS
No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351,
Taiwan, R.O.C.

EUT DESCRIPTION: iWSN Wireless Power Meter

BRAND: ICP DAS

MODEL: iWSN-9603-360-ME-IP33

SERIES MODEL: iWSN-9603-160-ME-IP33, iWSN-9603-240-ME-IP33,
iWSN-9603-RCT500P-ME-IP33, iWSN-9603-RCT1000P-ME-IP33,
iWSN-9603-RCT2000P-ME-IP33, iWSN-9603-PCT-ME-IP33,
iWSN-9603-T-RCT, iWSN-9603-T

SAMPLE STAGE: Mass-Production

DATE of TESTED: 2022/4/7 ~ 2022/4/29

APPLICABLE STANDARDS	
STANDARD	Test Results
ETSI EN 300 220-2 V3.1.1 (2017-02)	PASS

Underwriters Laboratories Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Underwriters Laboratories Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by Underwriters Laboratories Taiwan Co., Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by Underwriters Laboratories Taiwan Co., Ltd. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Prepared By:

Cindy Hsin
Project Handler

Date : 2022/6/9

Approved and Authorized By:

Kent Liu
Senior Laboratory Engineer

Underwriters Laboratories Taiwan Co., Ltd.

Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan
Telephone : +886-2-7737-3000
Facsimile (FAX) : +886-3-583-7948

Doc No: 17-EM-F0946 / 2.0



Test report No. : 4790121697-EN-R1-V0
Page : 1 of 11
Issued date : 2022/6/9

CE RF Exposure Report

Product : iWSN Wireless Power Meter

Model Name : iWSN-9603-360-ME-IP33

Series Model : iWSN-9603-160-ME-IP33, iWSN-9603-240-ME-IP33,
iWSN-9603-RCT500P-ME-IP33, iWSN-9603-RCT1000P-ME-IP33,
iWSN-9603-RCT2000P-ME-IP33, iWSN-9603-PCT-ME-IP33,
iWSN-9603-T-RCT, iWSN-9603-T

Test Regulation : EN 62311:2008

Received Date : 2022/3/25

Test Date : 2022/4/29

Issued Date : 2022/6/9

Applicant : ICP DAS
No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351,
Taiwan, R.O.C.

Issued By : Underwriters Laboratories Taiwan Co., Ltd.
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd.,
Zhudong Township, Hsinchu County, Taiwan



The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report are responsible of the test sample(s) provided by the client only and are not to be used to indicate applicability to other similar products.

Underwriters Laboratories Taiwan Co., Ltd.

Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan
Telephone : +886-2-7737-3000
Facsimile (FAX) : +886-3-583-7948

Doc No: 17-EM-F0872 / 6.0



1. Attestation of Test Results

APPLICANT: ICP DAS
No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351,
Taiwan, R.O.C.

MANUFACTURER: ICP DAS
No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351,
Taiwan, R.O.C.

EUT DESCRIPTION: iWSN Wireless Power Meter

BRAND: ICP DAS

MODEL: iWSN-9603-360-ME-IP33

SERIES MODEL: iWSN-9603-160-ME-IP33, iWSN-9603-240-ME-IP33,
iWSN-9603-RCT500P-ME-IP33, iWSN-9603-RCT1000P-ME-IP33,
iWSN-9603-RCT2000P-ME-IP33, iWSN-9603-PCT-ME-IP33,
iWSN-9603-T-RCT, iWSN-9603-T

SAMPLE STAGE: Mass-Production

APPLICABLE STANDARDS	
STANDARD	Test Results
EN 62311:2008	PASS

Underwriters Laboratories Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Underwriters Laboratories Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by Underwriters Laboratories Taiwan Co., Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by Underwriters Laboratories Taiwan Co., Ltd. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Prepared By:

Cindy Hsin
Project Handler

Date : 2022/6/9

Approved and Authorized By:

Kent Liu
Senior Laboratory Engineer

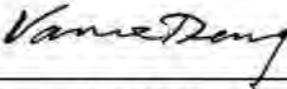
Date : 2022/6/9

Underwriters Laboratories Taiwan Co., Ltd.

Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan
Telephone : +886-2-7737-3000
Facsimile (FAX) : +886-3-583-7948

Doc No: 17-EM-F0872 / 6.0



TEST REPORT NO. :	220604001		
APPLICANT:	ICP DAS CO., LTD.		
TEST ITEM:	iWSN Wireless Power Meter		
IDENTIFICATION:	iWSN-9603-160-ME-IP33 iWSN-9603-240-ME-IP33 iWSN-9603-360-ME-IP33 iWSN-9603-RCT500P-ME-IP33 iWSN-9603-RCT1000P-ME-IP33 SERIAL NO: N/A iWSN-9603-RCT2000P-ME-IP33 iWSN-9603-PCT-ME-IP33 iWSN-9603-T-RCT iWSN-9603-T		
RECEIPT NO.:	2206040-E01, 2206040-E02	DATE OF RECEIPT:	2022-06-16
TEST LOCATION:	Victronic Technology Corporation 4th Fl., No. 130, Lane 235, Baoqiao Road, Xindian Dist., New Taipei City 23145, Taiwan		
TEST SPECIFICATION:	EN 61010-1:2010 / A1:2019		
TEST RESULT:	PASS		
Tested by:		Reviewed by:	
Rich Lin	2022-11-24	Vance Deng	2022-11-24
 _____ Signature		 _____ Signature	
The completed test report includes the following documents: EN 61010-1 report (98 pages) Attachments (36 pages)			
Abbreviations: P = passed F = failed N = not applicable			
Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.			



TEST REPORT
EN 61010-1
Safety requirements for electrical equipment for measurement, control, and laboratory use
Part 1: General requirements

Report Number..... : 220604001
Tested by : See cover sheet
Approved by : See cover sheet
Date of issue : See cover sheet
Total number of pages : 134 pages

Applicant's name : ICP DAS CO., LTD.
Address..... : No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351, Taiwan, R.O.C.

Testing Laboratory : Victronic Technology Corporation
Address..... : 4th Fl., No. 130, Lane 235, Baoqiao Road, Xindian Dist., New Taipei City 23145, Taiwan

Testing location/procedure..... : Victronic Technology Corporation
Address..... : 4th Fl., No. 130, Lane 235, Baoqiao Road, Xindian Dist., New Taipei City 23145, Taiwan

Test specification:
Standard : EN 61010-1:2010 / A1:2019
Test Report Form No..... : LVD61010-1TRF_1Q
Test procedure : Service of LVD test report
Non-standard test method : N/A

Copyright © 2021 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.

If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.

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.

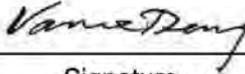
Test item description..... : iWSN Wireless Power Meter
Trade Mark..... : ICP DAS logo
Manufacturer : ICP DAS CO., LTD. / No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351, Taiwan, R.O.C.
Model/Type reference..... : iWSN-9603-160-ME-IP33
iWSN-9603-240-ME-IP33



iWSN-9603-360-ME-IP33
iWSN-9603-RCT500P-ME-IP33
iWSN-9603-RCT1000P-ME-IP33
iWSN-9603-RCT2000P-ME-IP33
iWSN-9603-PCT-ME-IP33
iWSN-9603-T-RCT
iWSN-9603-T

Ratings..... : See page 6 for details.



TEST REPORT NO. :	220604002	PAGE 1 OF 26
APPLICANT:	ICP DAS CO., LTD.	
TEST ITEM:	iWSN Wireless Power Meter	
IDENTIFICATION:	iWSN-9603-160-ME-IP33 iWSN-9603-240-ME-IP33 iWSN-9603-360-ME-IP33 iWSN-9603-RCT500P-ME-IP33 iWSN-9603-RCT1000P-ME-IP33 iWSN-9603-RCT2000P-ME-IP33 iWSN-9603-PCT-ME-IP33 iWSN-9603-T-RCT iWSN-9603-T	SERIAL NO: N/A
RECEIPT NO.:	2206040-E01, 2206040-E02	DATE OF RECEIPT: 2022-06-16
TEST LOCATION:	Victronic Technology Corporation 4th Fl., No. 130, Lane 235, Baoqiao Road, Xindian Dist., New Taipei City 23145, Taiwan	
TEST SPECIFICATION:	EN 61010-2-030: 2010 (First Edition) to be used in conjunction with EN 61010-1: 2010 (Third Edition)	
TEST RESULT:	PASS	
Test by:	Reviewed by:	
Rich Lin	2022-11-24	Vance Deng 2022-11-24
		
	Signature	Signature
The completed test report includes the following documents: EN 61010-2-030 report (26 pages)		
Abbreviations: P = passed F = failed N = not applicable		
Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.		



TEST REPORT EN 61010-2-030 Safety requirements for electrical equipment for measurement, control, and laboratory use Part 2-030: Particular requirements for testing and measurement circuits	
Report Number	220604002
Tested by	See cover sheet
Approved by	See cover sheet
Date of issue	2022-11-24
Total number of pages	26 pages
Applicant's name	ICP DAS CO., LTD.
Address	No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351, Taiwan, R.O.C.
Testing Laboratory	Victronic Technology Corporation
Address	4th Fl., No. 130, Lane 235, Baoqiao Road, Xindian Dist., New Taipei City 23145, Taiwan
Testing location/procedure	Victronic Technology Corporation
Address	4th Fl., No. 130, Lane 235, Baoqiao Road, Xindian Dist., New Taipei City 23145, Taiwan
Test specification:	
Standard	EN 61010-2-030: 2010 (First Edition) to be used in conjunction with EN 61010-1: 2010 (Third Edition)
Test Report Form No.	LVD61010-2-0301TRF_1C
Test procedure	Service of CE Marking in LVD
Non-standard test method	N/A
Copyright © 2015 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.	
Test item description	iWSN Wireless Power Meter
Trade Mark	
Manufacturer	ICP DAS CO., LTD. / No. 111, Guangfu N. Rd., Hukou Township,



Hsinchu County 30351, Taiwan, R.O.C.

Model/Type reference.....:

- iWSN-9603-160-ME-IP33
- iWSN-9603-240-ME-IP33
- iWSN-9603-360-ME-IP33
- iWSN-9603-RCT500P-ME-IP33
- iWSN-9603-RCT1000P-ME-IP33
- iWSN-9603-RCT2000P-ME-IP33
- iWSN-9603-PCT-ME-IP33
- iWSN-9603-T-RCT
- iWSN-9603-T

Ratings.....:

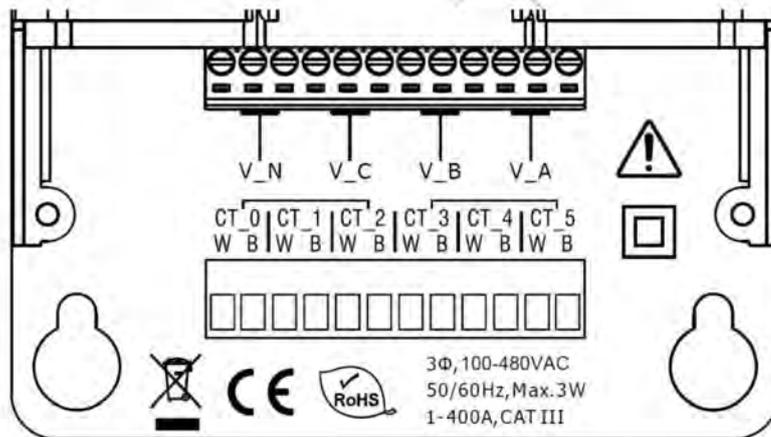
See page 6 for details.



Summary of testing:

- Maximum normal load: The EUT connected to the three-phase power source and operate continuously with measured current data of three-phase power source via CT.
- Unless otherwise indicated, all tests were conducted on models iWSN-9603-360-ME-IP33 and iWSN-9603-RCT2000P-ME-IP33.

Copy of marking plate:





Test item particulars	
Type of item tested	Measurement
Description of equipment function.....	Power measurement
Installation/overvoltage category.....	III
Measurement category	III
Protection class.....	Class II (isolated)
Pollution degree.....	2
Environmental rating.....	Extended (specify): 50 °C
Equipment mobility.....	Fixed
Connection to mains supply.....	Permanent
Operating conditions.....	Continuous
Overall size of the equipment (W x D x H)	See attachment illustration-1 for details.
Mass of the equipment (kg)	0.3
Marked degree of protection to IEC 60529.....	IP33
Accessories and detachable parts included in the evaluation.....	Current Transformers (CT)
Options.....	N/A
Possible test case verdicts:	
- test case does not apply to the test object.....: N/A	
- test object does meet the requirement.....: P (Pass)	
- test object does not meet the requirement.....: F (Fail)	
Testing	
Date of receipt of test item.....	: 2022-06-16
Date (s) of performance of tests.....	: 2022-06-27 to 2022-08-31
General remarks:	
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 Testing Laboratory. "(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report. Throughout this report a comma (point) is used as the decimal separator.	



General product information:

Report Summary

This product complied with Part 1: General requirement of electrical equipment for measurement, control, and laboratory use according to EN61010-1:2010, VTC LVD report no. 220604001.

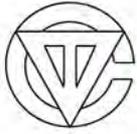
Product Description

The iWSN-9603 series is a three-phase energy meter that provides one set of three-phase voltage contacts and two sets of three-phase current contacts, which can return current, voltage, real-time power, accumulated power and power factor, suitable for power measurement of different three-phase current loops in switchboards.

Model Differences

All models are similar, except for input rating, with/without CT, CT rating, type and model name.

Model	Rating	Current Transformer (CT) Type
iWSN-9603-160-ME-IP33	Slave, 100 - 480 VAC, MAX. 3 W, 50/60 Hz, 6CT, Three-phase electricity measurement	Normal CT, 100 A
iWSN-9603-240-ME-IP33	Slave, 100 - 480 VAC, MAX. 3 W, 50/60 Hz, 6CT, Three-phase electricity measurement	Normal CT, 200 A
iWSN-9603-360-ME-IP33	Slave, 100 - 480 VAC, MAX. 3 W, 50/60 Hz, 6CT, Three-phase electricity measurement	Normal CT, 400 A
iWSN-9603-RCT500P-ME-IP33	Slave, 100 - 480 VAC, MAX. 3 W, 50/60 Hz, 6CT, Three-phase electricity measurement	Flexible CT, 500 A
iWSN-9603-RCT1000P-ME-IP33	Slave, 100 - 480 VAC, MAX. 3 W, 50/60 Hz, 6CT, Three-phase electricity measurement	Flexible CT, 1000 A
iWSN-9603-RCT2000P-ME-IP33	Slave, 100 - 480 VAC, MAX. 3 W, 50/60 Hz, 6CT, Three-phase electricity measurement	Flexible CT, 2000 A
iWSN-9603-PCT-ME-IP33	Slave, 100 - 480 VAC, MAX. 3 W, 50/60 Hz, 6CT, Three-phase electricity measurement	Without CT(*), (*): Shipping without CT, only use conjunction with normal CT provided by the manufacturer, rated Max. 400 A
iWSN-9603-T-RCT	Slave, 100 - 480 VAC, MAX. 3 W, 50/60 Hz, 6CT, Three-phase electricity measurement	Without CT(*), (*): Shipping without CT, only use conjunction with flexible CT provided by the manufacturer, rated Max. 2000 A
iWSN-9603-T	Slave, 100 - 480 VAC, MAX. 3 W, 50/60 Hz, 6CT, Three-phase electricity measurement	Without CT(*), (*): Shipping without CT, only use conjunction with normal CT provided by the manufacturer, rated Max. 400 A



Additional Information

The test samples are pre-production with serial number.

Technical Considerations

The product was submitted and evaluated for use at the maximum ambient temperature (T_{ma}) permitted by the manufacturers specification of: 50 °C

Factory location:

Same as applicant.