



# TEST REPORT

**IDEMI**




प्रौद्योगिकी केंद्र, मुंबई

MSME-TECHNOLOGY CENTRE, MUMBAI

**INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS MUMBAI**

IDEMI-Eastern Express Highway, Opp. Everard Nagar Bus Stop, Chunabhatti, Sion, Mumbai - 400022

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INSTITUTE FOR DESIGN OF ELECTRICAL  
MEASURING INSTRUMENTS, MUMBAI  
TECHNOLOGY CENTRE



संदर्भ सं. / Ref. No. WO/ETL/157/18-19

दिनांक :  
Date : 07.02.2019

M/s. OSWORLD SCIENTIFIC EQUIPMENTS PVT. LTD.  
B-44, NEW EMPIRE INDUSTRIAL PREMISES,  
KONDIVITA ROAD, J.B. NAGAR, ANDHERI (E),  
MUMBAI-400 059, INDIA

Kind Attn: Mr. Pravin Bhosale

विषय : परिक्षण रिपोर्ट  
Sub : Test Report

महोदय,

आपके उपकरणों / अवयवों पर किये हुये परिक्षण रिपोर्ट संख्या ( TR/ETL/285/18-19 ) आपको जानकारी के लिए पत्र के साथ भेज रहे हैं। यदि आपको परिक्षित मर्दों पर स्पष्टीकरण की कोई आवश्यकता हो तो, कृपया परिक्षण रिपोर्ट जारी करने वाले प्राधिकारी को हमारे संदर्भ संख्या और तारीख का उल्लेख करते हुए, रिपोर्ट प्राप्त होने पर चार सप्ताह के अन्दर सम्पर्क करें अथवा लिखें। हम इस पत्र के साथ फीड बैक फॉर्म भेज रहे हैं। कृपया उसे भरके प्रबंध निदेशक, वैमाउअसं मुंबई को भेजे।

धन्यवाद!

संलग्न पत्रानुसार

Dear Sir,

Test Report No. ( TR/ETL/285/18-19 ) / on your instruments/ Components/ Equipments are / is enclosed herewith for your information. If you need any clarification on Test Report, please write/contact Test Report issuing officer quoting our reference and date within 4 weeks from the date of receipt of this report. We are also enclosing here with feed back form. Kindly fill up and send to the Managing Director of IDEMI, Mumbai.  
Thanking you,

भवदीय

प्रबंध निदेशक

Yours faithfully

MANAGING DIRECTOR

Encl. As above



# TEST REPORT



Cert. No. TC-5538

Accreditation Field: Electrical Testing  
Accreditation Valid upto : 23.04.2019  
Work Order No. : WO/ETL/157/18-19  
Date : 03.10.2018

ULR No.: ULR-TC553818000000265F  
NABL Accreditation No.: TC-5538  
Test Report No. : TR/ETL/285/18-19  
Date of Testing : 04.02.2019 to 05.02.2019  
Page No. : 1 of 4

Test Item : Stability Chamber/Cooling Incubator

Tested for : M/s. Osworld Scientific Equipments Pvt. Ltd.  
B-44, New empire Industrial Premises, Kondivita Road, J.B. Nagar, Andheri(E), Mumbai-400 059,  
Maharashtra, India.

Tested at : IDEMI MUMBAI

Specification of Items under test	Specification of Standards Used
Manufacturer : M/s. Osworld Scientific Equipments Pvt. Ltd., Mumbai Condition of Item on Receipt : Good Range /Rating : 415 V , 50 Hz, 4 Wire Sr. No. : 3747 Model No. : OWISC/OSC/OWICI	1) Ultra Compact Simulator Model No.: UCS 500 N7 , Sr. No.: V0944105303 , Calibration Valid upto : June 2019  Traceability: Standard used are traceable to National / International Standards

**Ambient Conditions :**

Temperature :  $25^{\circ}\text{C} \pm 2.5^{\circ}\text{C}$

Relative Humidity : 35 % to 65%

Remarks : Please refer page 2 to 4 for Test Results.

- 1) Procedure of Test : The above mention item is tested for  
1. Surge immunity test IEC 61000-4-5: 2014 + A1: 2017  
& as per customer requirements.

C. M. PATIL  
ASST. DIRECTOR  
AUTHORISED SIGNATORY

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सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय, भारत सरकार  
Ministry of Micro, Small & Medium Enterprises, Govt. of India.  
स्वातंत्र्यवीर तात्या टोपे मार्ग, चुनाभट्टी, सायन डाकघर, मुंबई - ४०० ०२२.



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**INSTITUTE FOR DESIGN OF ELECTRICAL  
MEASURING INSTRUMENTS, MUMBAI - 400 022.**



**ELECTRICAL TESTING LABORATORY**

Model No.: OWISC/OSC/OWICI

Sr. No.: 3747

Date of Testing: 04.02.2019 to 05.02.2019

ULR No.: ULR-TC553818000000265F

Test Report No.: TR/ETL/285/18-19

Page No.: 2 of 4

**1. EQUIPMENT UNDER TEST (EUT)**

**1.1. Brief Description (Declared by Mfg.)**

Stability Climatic Chamber for temperature cooling and for temperature humidity application, walk in type, with its operational components up to 125000 Liters.

The Stability Climatic Chamber consists of following systems.

- Electrical control panel with switchgear
- Touch screen HMI display
- PLC for temperature and humidity control system
- Refrigeration unit
- Steam generator
- Heater assembly
- Air circulation system

**1.2. Operating condition of EUT During Test**

- EUT energized with 415 V, 50 Hz AC supply and loaded with input current of 12 A (max).

**1.3. Acceptance Criteria**

**Performance Criteria – 'A'**

The EUT shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed.

**Performance Criteria – 'B'**

The EUT shall continue to operate as intended during and after the test. During the test degradation of performance is however allowed. No change of actual operating state or stored data is allowed.

**Performance Criteria – 'C'**

Temporary loss of function is allowed, provided the function is self – recoverable or can be restored by the operation of the controls.

  
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**2. SURGE IMMUNITY TEST**

**a. Test Rationale**

To check immunity characteristics of the EUT against Surges generated because of capacitive bank Switching Faults, Lightning and the like.

**b. Test condition**

Set up	:	As per IEC 61000-4-5 : 2014 + A1:2017
Pulse	:	1.2/50 $\mu$ s
Pulse Amplitude	:	Mains: Line to Line: $\pm$ 1kV Line to Earth: $\pm$ 2 kV
No of Transients	:	Five in Each Mode
Simulation Method	:	Mains direct injection
EUT Operating condition	:	EUT operating condition as per Sr. No. 1.2

**c. Requirements**

Performance criteria 'B'.

**d. Observations**

Reg RH sensor fault occurred during the test & was not self recoverable after restoring the EUT.

**e. Result**

Not complied.

  
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# OUR NABL & BIS ACCREDITATION STATUS



C0085, C0086, C0087,  
C-0186, T-1358, T-3458

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3	Mass & Volume Calibration	C 0086
4	Dimensional Metrology	C 0086
5	Fluid Flow Calibration	C 0087
6	Temperature Calibration	C 0186
7	Electrical Testing	TC 5538
8	EMI / EMC Testing	TC 5538
9	Monoblock Pump Testing	TC 5538
10	Electronics Testing	TC 5538
11	Energy Meter Testing	Recognised by BIS

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