



TEST REPORT

MSME - Technology Development Centre Mumbai

INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, MUMBAI

(A Govt. of India Society)
MInistry of Micro, Small & Medium Enterprises
Government of India

Eastern Express Highway, Chunabhatti, Sion P.O., MUMBAI - 400 022.

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वैधृतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई

INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, MUMBAI



भारत सरकार की सोसाईटी सक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय Government of India Society Ministry of Micro, Small & Medium Enterprises

संदर्भ सं. / Ref. No.

IDEMI/ETL/022/14-15

दिनांक : _{19.05.2014}

Date:

M/S. MECO INSTRUMENTS PVT.LTD. PLOT NO. EL-1, MIDC. ELECTRONIC ZONE, TTC INDUSTRIAL AREA. MAHAPE, NAVI MUMBAI - 400 710 MAHARASHTRA, INDIA

Kind Attn.: Mr. Prashant Thakkar

विषय: परिक्षण रिपोर्ट Sub: Test Report

महोदय.

TR/ETL/022/14-15 आपके उपकरणों / अवयवों पर किये हुये परिक्षण रिपोर्ट संख्या () आपको जानकारी के लिए पत्र के साथ भेंज रहे हैं। यदि आपको परिक्षीत मदों 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 बॅक फॉर्म भेज रहे हैं। कृपया उसे भरके प्रधाननिदेशक, वैमाउअसं को भेजे।

धन्यवाद!

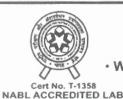
संलग्न पत्रानुसार

Dear Sir.

TR/ETL/022/14-15 Test Report No. () / 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 Principal Director of IDEMI Thanking you,

Encl. As above

PRINCIPAL DIRECTOR



Swatantryaveer Tatya Tope Marg, Chunabhatti, Sion P.o. Mumbai - 400 022. (M.S)

Phone: (022) - 2405 0301/2/3/4 Fax: (022) - 2405 0016.



TEST REPORT



Accreditation Field: Electrical Testing Accreditation Valid upto: 04.09.2014 Work Order No.: WO/ETL/022/14-15

Date: 06.05.2014

NABL Accreditation No.: T-1358 Test Report No.: TR/ETL/022/14-15

Date of Testing: 12.05.2014 to 13.05.2014

Page No.: 1 of 2

Test Item : Analoge moving coil 240° deflection meter

Tested for : M/s. Meco Instruments Pvt.Ltd.

Plot No. El-1, MIDC, Electronic zone, TTC Industrial area, Mahape, Navi Mumbai - 400 710, Maharashtra

Tested at : IDEMI, Mumbai. 400 022

Specification of Items Under Test	Specification of Standards Used
Manufacturer : M/s. Meco Instruments Pvt.Ltd. Navi Mumbai	1) Dust Chamber Sr. No. : 015/08/91 Calibration valid up to : 11.07.2014
Condition of Item on reciept: Good	
Range /Size: 0 - 5 V DC	2) Drip Test Apparatus Model: DTA-1/2 Calibration valid up to: 24.07.2014
Drawing Code No: 211493	Galibration valid up to 1 24.07.2014
Sr. No. : 1400024	
Model No.: ML 96	Traceability: Standard used for testing are tracable to National / International standards

Ambient Conditions:

Temperature: 28.9 ° C Relative Humidity: 35 % to 65 %

Remarks: Please refer page 2 for Test Results.

1) Procedure of Test: The above mentioned item is tested for

IP- 52 as per IEC 60529: 2001 & Customer Requirments

2) This certificate is valid only for Drawing Code Number 211493. Copy of the Drawing is enclosed

C. M. PATIL ASSTT. DIRECTOR AUTHORISED SIGNATORY

(Note: This report refers only to the particular item(s) submitted for testing. The report should not be reproduced except in full without the prior permission from the Principal Director IDEMI, Mumbai - 400 022)



A GOVERNMENT OF INDIA SOCIETY
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES

वैधुतिक मापन उपयंत्र अभिकल्प संस्थान

Institute for Design of Electrical Measuring Instruments swatantryaveer tatyatope Marg, Chunabhatti, Sion P.O. MUMbai - 400 022. स्वातंत्र्यवीर तात्या टोपे मार्ग, चुनाभट्टी, सायन डाकघर, मुंबई - 400 022.



वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई - ४०० ०२२.

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



ELECTRICAL TESTING LABORATORY

Sr. No: 1400024

Date of Testing: 12.05.2014 to 13.05.2014

Test Report No.: TR/ETL/022/14-15

Page No.: 2 of 2

Test Result of: Analogue Moving coil 240° deflection meter

1. Test for IP: 5X (Ingress of dust for enclosure of category 2)

1.1 Test Rationale

The Enclosure was tested for dust ingress as per IEC 60529 : 2001 for enclosure of category 2. The above mentioned enclosure under test is supported inside the dust chamber. The total duration of test is 8 hrs.

1.2 Observation

The front cover of the meter was opened for interior examination of dust entry. It was observed that no dust has entered meter.

1.3 Result

The Analogue Moving coil 240° deflection meter has Passed for IP 5X Test

2. Test for IP: X2 (Dripping of Water for enclosure)

2.1 Test Rationale

The Enclosure was tested for water Dripping as per IEC 60529: 2001. The above mentioned Enclosure is tested for 2.5 min in each of four fixed position of tilt. These positions are 15° either side of the vertical in two mutually perpendicular planes. The total duration of test is 10min.

2.2 Observation

The front cover of the Meter was opened for interior examination of water entry. It was observed that no water has entered in Meter.

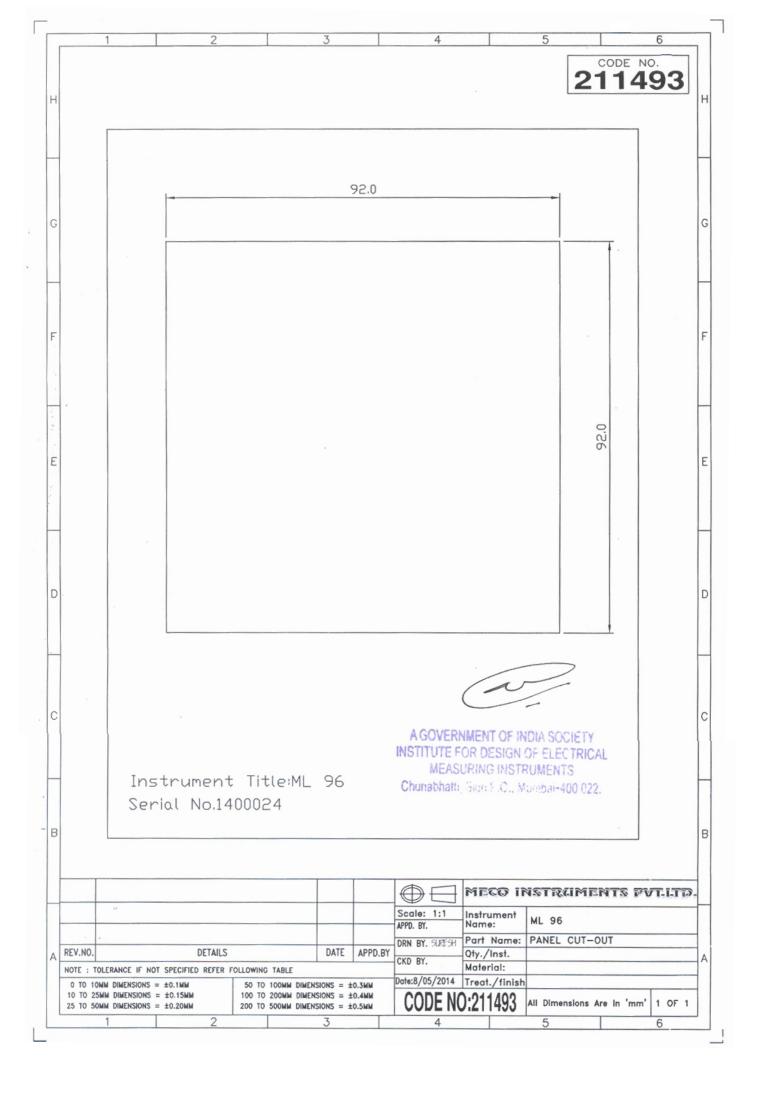
2.3 Result:

The Analogue Moving coil 240° deflection meter has passed for IP X2 Test.

END OF TEST REPORT

TESTED BY

CHECKED BY



OUR NABL ACCREDITATION STATUS



IDEMI (MSME-Technology Development Centre) is a Government of India Society working under the Ministry of Micro, Small & Medium Enterprises (MSME) has been Accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL) as per ISO/IEC 17025:2005 for its Facilities at Mumbai in the Following Fields:-

SR. NO.	FIELD	NABL ACCREDITATION CERTIFICATE NUMBER
1	Electro Technical Calibration	C 0085
2	Pressure Calibration	C 0086
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	T 1358
8	EMI / EMC Testing	T 1358
9	Monoblock Pump Testing	T 1358

