



सूक्ष्म, लघु एवं मध्यम उद्यम  
MICRO, SMALL & MEDIUM ENTERPRISES  
MSME - TECHNOLOGY DEVELOPMENT CENTRE,  
MUMBAI

वैधुतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई

INSTITUTE FOR DESIGN OF ELECTRICAL  
MEASURING INSTRUMENTS, MUMBAI



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

संदर्भ सं. / Ref. No. IDEMI/FLOW/2016-17

दिनांक : 21/9/2016

Date :

M/s. Samcon Industrial Controls Pvt. Ltd.  
Plot No. 20,22&23 Survey No.165, A/2&3,  
Oswal Industrial Estate, National Highway No.3  
Village Asangaon , Tal : Shahapur  
Dist. Thane - 421601

Attn: Mr. Pratik A. Thakare  
(Design Engineer)

विषय : परिक्षण रिपोर्ट  
Sub : Test Report

महोदय,

आपके उपकरणों / अवयवों पर किये हुये परिक्षण रिपोर्ट संख्या ( TR/FFL/057/2016-17 ) आपको जानकारी के लिए पत्र के साथ भेज रहे हैं। यदि आपको परिक्षित 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 बैक फॉर्म भेज रहे हैं। कृपया उसे भरके प्रधाननिदेशक, वैमाउअसं को भेजे।

धन्यवाद!

भवदीय

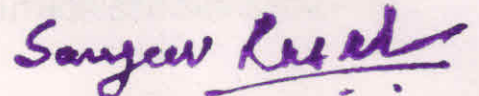
संलग्न पत्रानुसार

  
प्रधान निदेशक

Dear Sir,

Test Report No. ( TR/FFL/057/2016-17 ) / 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,

Yours faithfully



PRINCIPAL DIRECTOR

Encl. As above



Lab No. T-1358  
NABL ACCREDITED LAB

Swatantryaveer Tatya Tope Marg, Chunabhatti, Sion P.o. Mumbai - 400 022. (M.S)  
Phone : (022) - 2405 0301/2/3/4 Fax : (022) - 2405 0016.

• Website : www.idemi.org / msmetdcmumbai.org • Email : idemi@vsnl.net, idemi@mtnl.net.in

FF-LAB-02



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MUMBAI

# TEST REPORT



Cert. No. T-1358

Field : Electrical Testing NABL Accreditation No : T - 1358  
Work Order No. : WO/FFL /053/3/2016-17 Accreditation Validity: 01/01/2017  
Date : 21/9/2016 Certificate No. TR/FFL/057/2016-17  
Date of Testing : 21/9/2016  
Page 1 of 2

Test Item : **PANEL (Junction Box)**

Tested for : **M/s. Samcon Industrial Controls Pvt. Ltd.**  
**Plot No. 20,22&23. Survey No.165, A/2&3.Oswal Industrial Estate.**  
**National Highway No.3 Village Asangaon, Tal. Shahapur**  
**Dist : Thane - 421601**

Tested at : IDEMI Mumbai - 22

Specification of Item Under Test	Specification of Standards/ Equipment used
<p>Manufacturer : Samcon Ind. Pvt. Ltd. Condition of Item on receipt : Good Sr. No. : 01 Type : AHU/FAN/PCC/MCC/DB Drawing No. : <b>SIC/STC/16/02.</b> Size. : 700x600x300mm</p>	<p>1)Dust Chamber Sr.No.015108191 along with vacuum system Gauge Sr. No. 00783110, Range ; 500 to 0 mm wc, Calibration valid up to 19/8/2017 2) S. S. NOZZLE. Internal diameter 6.3 mm Along with Pressure gauge (50 mm) ID No. PG/FLL/JW Calibration valid up to 16/7/2017 Traceability : Standard/Equipment used for testing are traceable to National/International Standard.</p>

**Type of Test : IP - 65**

Remarks :

- Please refer page 2 of 2 for Test Results.
- Procedure of Testing : The above mentioned item is tested as per IS/IEC:60529:ED.2.1, 2001-2 for Enclosure of category 1.OP - ETL - 20.
- This certificate is valid only for Drawing No. SIC/STC/16/02 & Copy of the Drawing is enclosed.

  
M.K. Charate

Technical Manager  
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

वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान

Institute for Design of Electrical Measuring Instruments

SWATANTRYAVEER TATYA TOPE MARG, CHUNABHATTI, SION P.O. MUMBAI - 400 022.

स्वातंत्र्यवीर तात्या टोपे मार्ग, चुनाभट्टी, सायन डाकघर, मुंबई - ४०० ०२२.





मूल्य, ननु एवं मध्यम उद्यम  
MICRO, SMALL & MEDIUM ENTERPRISES  
MSME - TECHNOLOGY DEVELOPMENT CENTRE,  
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वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई - ४०० ०२२.  
INSTITUTE FOR DESIGN OF ELECTRICAL  
MEASURING INSTRUMENTS, MUMBAI - 400 022.



## PROCESS CONTROL INSTRUMENTS LABORATORY

Drawing No. SIC/STC/16/02.  
Certificate No. TR/FFL/057/2016-17

Date of Test: 21/9/2016

Page 2 of 2

Test Result of : **PANEL (GA FOR IP 65 TEST)**

### 1. Test for IP: 6X (Ingress of dust for enclosure of category 1)

The test item was tested for dust ingress as per IS/IEC:60529:ED.2.1.2001-02 for enclosure of categories 1.(The condition clause 13.6) The above mentioned Panel was supported inside the dust chamber and pressure inside was maintained (-200 mm wc) below atmospheric pressure by a vacuum pump.

Observation: The front cover of the above tested Panel was opened for interior examination of dust entry. It was observed that no dust has entered the Panel .

Result: Hence the Panel Passed for IP 6X Test .

### 2. Test for IP X5 (Protection against Water Jet)

The test item was tested for ingress of water as per IS/IEC:60529:ED.2.1.2001-02. The above Panel was kept in normal mounting position on a turn table during the test (The test condition specified in clause 14.2.5)

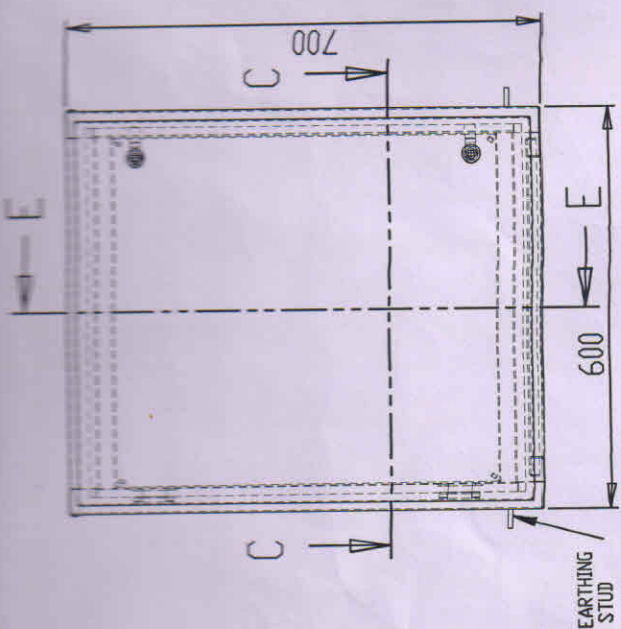
Observation: The front cover of the above tested Panel was opened for interior examination of water entry. It was observed that no water had entered inside the Panel.

Result: Hence the Panel Passed for IP X5 Test.

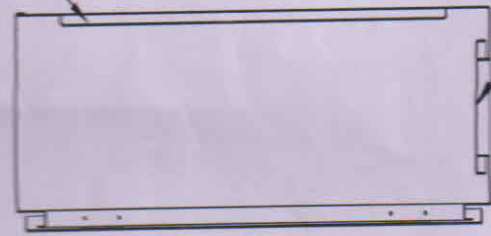
  
Checked By

  
Tested By

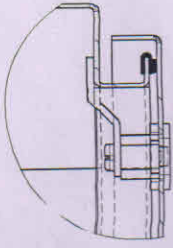
\*End of Test Report\*



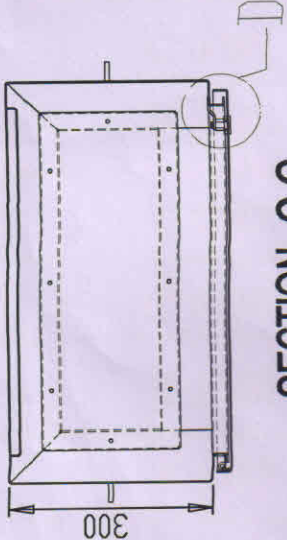
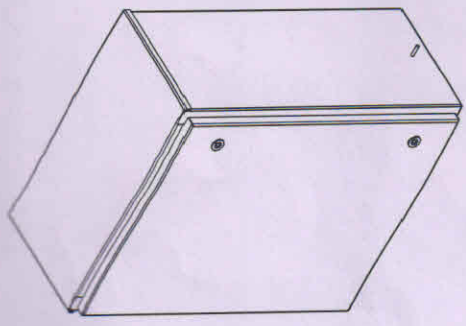
FRONT VIEW



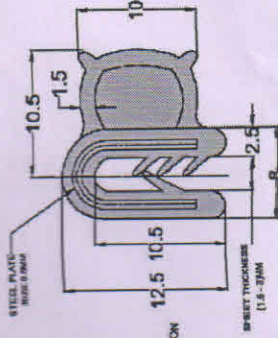
SECTION-E-E



DETAIL-D



SECTION-C-C



GASKET MATERIAL-  
EPDM/STEEL SPRING CORE

*Shubh* 21.9.16  
**INSTITUTE FOR DESIGN OF  
 ELECTRICAL MEASURING INSTRUMENTS**  
 (GOVERNMENT OF INDIA SOCIETY)  
 Chunabhatti, Sion P.C., Bombay-400 022

- Note-**
- \* PANEL CONSTRUCTION- IP65
  - \* SHEET THICKNESS- 2mm
  - \* REMOVABLE GLAND PLATE
  - \* PAINT SHADE- RAL 7035
  - \* CABLE ENTRY- BOTTOM

REV	DESCRIPTION	INITIAL	DATE
0			

DRAWING NO	SIC/STC/15/02	SHEET 1 OF 1
APPR.	SPH	7/09/16
CHKD.	TEJAM	7/09/16
DRWN	WLESH	7/09/16

TITLE	GA FOR IP65 TESTING
THICKNESS IN mm	
TOLERANCE UNLESS OTHERWISE STATED	HOLE 4R2
SCALE	1:1
UNIT	MM

CUSTOMER	
PROJECT	
CONSULTANT	

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PROF. No.	
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DATE	
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IRGCSIZE	A4
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