

MSME

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



सत्यमेव जयते

MSME

सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



MSME-TECHNOLOGY CENTRE, MUMBAI

TEST REPORT

IDEMI

प्रौद्योगिकी केंद्र, मुंबई

MSME-TECHNOLOGY CENTRE, MUMBAI

INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS MUMBAI



वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई

INSTITUTE FOR DESIGN OF ELECTRICAL
MEASURING INSTRUMENTS, MUMBAI
TECHNOLOGY CENTRE

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



संदर्भ सं. / Ref. No. WO/FFL/094/2019-20
ULR - TC553820100000001F

दिनांक : 24-02-2020
Date :

M/s. SIDDHIT ENTERPRISES
202, Gorai Ekdant CHS,
Plot No. 13, Gorai-II,
Borivali (w) Mumbai - 400 091.

Attn.: Mr. Siddhit. Sakhare
(Sr. Engineer)

विषय : परिक्षण रिपोर्ट
Sub : Test Report

महोदय,

आपके उपकरणों / अवयवों पर किये हुये परिक्षण रिपोर्ट संख्या (TR/FFL/123/2019-20) 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 प्रबंध निदेशक, वैमाउअसं को भेजे।

धन्यवाद!

भवदीय

संलग्न पत्रानुसार


प्रबंध निदेशक

Dear Sir,

Test Report No. (TR/FFL/123/2019-20) / 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
Thanking you,

Yours faithfully

Encl. As above


MANAGING DIRECTOR



NABL ACCREDITED LAB
TC-5538

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 • Email : flow@idemi.org

FF-LAB-02



TEST REPORT



Cert. No. TC-5538

Discipline : Electrical Page 1 of 2
Group : Environmental Test Facility Test Report No: TR/FFL/123/2019-20
Work Order No. : WO/FFL/094/2019-20 NABL Accreditation No : TC -5538
Date : 19/02/2020 Accreditation Validity: 23/04/2021
Date of Testing : 20/02/2020 ULR - TC553820100000001F

Tested Item : Accelerometer Sensor Cable with Molded Connector

Tested for : SIDDHIT ENTERPRISES.
202, Gorai Ekdant CHS,
Plot No: 13, Gorai - II,
Borivali (W), Mumbai - 400 091.

Tested at : IDEMI Mumbai - 22

Specification of Item Under Test	Specification of Standards/ Equipment used
Manufacturer : M/s. Siddhit Enterprises	1) KASCO Dust Chamber Sr.No.015/08/91
Condition of Item : No Visible Damages on receipt	2) Test Sieve 75 μ (0.075mm), Sr. No. 4418/9/14, Validity : 06/3/2020
Model : SE/ACC/TEF/CABLE/001	3) Reservoir Tank
Sr. No : SE/CAB/001	4) Digital Stop Watch, Make- Racer, ID No: 06, Calibration Valid up to: 06/06/2020
Drawing No. : SE/ACC/TEF/CABLE/001	Traceability : Standard / Equipment used for testing are traceable National/International Standards through IDEMI Mumbai.

Ambient Condition: Temp: 27°C

Relative Humidity: 50%

Type of Test : IP - 68. Category 2.

Remarks :

1. Please refer page 2 of 2 for Test Results.
2. Procedure of Testing : The above mentioned item is tested as per IS/IEC 60529:A1:1989+A2:2013 for Enclosure of Category 2. OP - ETL -20.
3. This Test Report is valid only for Drawing No: SE/ACC/TEF/CABLE/001 & 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 Managing Director IDEMI, Mumbai.



वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई
INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, MUMBAI
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.
Swatantryaveer Tatya Tope Marg, Chunabhatti, Sion P.O. Mumbai - 400 022.



वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई
INSTITUTE FOR DESIGN OF ELECTRICAL
MEASURING INSTRUMENTS, MUMBAI



PROCESS CONTROL INSTRUMENTS LABORATORY
TEST REPORT

Page 2 of 2.

Tested Equipment - Accelerometer Sensor Cable with Moulded Connector	
Report No: TR/FFL/123/2019-2020	ULR No: ULR-CC553820100000001F
Date of Testing: 20/02/2020	Drawing No: SE/ACC/TEF/CABLE/001
Model No: SE/ACC/TEF/CABLE/001	Serial No: SE/CAB/001

**Test Result of: ACCELEROMETER SENSOR CABLE WITH MOULDED
CONNECTOR (FOR IP- 68)**

1. Test for IP: 6X (Ingress of dust for enclosure of category 2)

The item was tested for Dust Ingress as per IS/IEC: 60529:A1.1989+A2, 2013 for enclosure of category 2. (Condition Clause 13.6). The above mentioned Accelerometer Sensor Cable with Moulded Connector was supported inside dust chamber but was not connected to a vacuum pump. Any conduit open were left open for the duration of the test. The test was continued for a period of 8 hours.

Observation:

The above tested Accelerometer Sensor Cable with Moulded Connector was opened for Interior examination of dust entry. It was observed that no dust has entered in the Accelerometer Sensor Cable with Moulded Connector

Result:

Hence the Accelerometer Sensor Cable with Moulded Connector passed IP 6X Test.

2. Test for IP X8 (Protection against Water Immersion)

The above Accelerometer Sensor Cable with Moulded Connector was tested for Immersion of water as IS / IEC: 60529:A1.1989+A2, 2013. The above Accelerometer Sensor Cable with Moulded Connector was continuously immersed for 30 min. in water tank in such a way that water level on Accelerometer Sensor Cable with Moulded Connector was maintained as per as test condition specified in clause 14.2.8 during the test.

Observation:

The above tested Accelerometer Sensor Cable with Moulded Connector was opened for interior examination of water entry. It was observed that no water had entered in the Accelerometer Sensor Cable with Moulded Connector.

Result:

Hence the Accelerometer Sensor Cable with Moulded Connector passed IP X8 Test.

Remark: The Accelerometer Sensor Cable with Moulded Connector was submitted for testing with Teflon Tape applied on the threading of Sensor and same was tested for IP-68.


Tested By

End of Test Report




Checked By

Technical drawing of a 1/2 inch female threaded plug. The drawing shows a side view of the plug with the following dimensions:

- 1: Threaded section length
- 13.2: Flange thickness
- 21.7: Main body length
- 6: Shoulder length
- 52.5: Total length
- Male Thread: Label pointing to the internal threads

1. All the dimensions are in mm

Accelerometer Sensor Cable with Moulded Connector assembled with Sensor

Rev.	DESCRIPTION	DATE	DRN.	CHKD.	TITLE	Scale		Drawn	Siddhit	Rev.				
											Check'd	S.N.S.	App'd.	S.N.S.
					Accelerometer Sensor Cable with Moulded Connector									
					 SIDDHIT ENTERPRISES					SE/ACC/TEF/CABLE/001				
					Numbat									
					INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS									
					(GOVERNMENT OF INDIA SOCIETY)									
					Chunabhatti, Sion P.O., Bombay-400 023									