

# **IP 65 TEST REPORT**

## **HO/HM SERIES SWITCH**

रिपोर्ट संख्या. TG-91(19-20)  
Report No.



# परीक्षण रिपोर्ट TEST REPORT



**भारत सरकार**

इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी मंत्रालय  
मानकीकरण परीक्षण और गुणवत्ता प्रमाणन (एस.टी.क्यू.सी.) निदेशालय

## इलेक्ट्रॉनिकी परीक्षण तथा विकास केंद्र

कृषि महाविद्यालय परिसर, शिवाजीनगर, पुणे - ४११ ००५  
फोन : 020-2553 7306/146, ग्राहकसेवा (सीधा): 020-2552 0378  
फैक्स: 020-2553 9369; ईमेल : etdcpu@stqc.gov.in

**Government of India**

Ministry of Electronics & Information Technology,  
Standardization Testing & Quality Certification (STQC) Directorate

### **Electronics Test and Development Centre [ETDC]**

Agriculture College Campus, Shivajinagar, Pune 411 005.  
Phone : 020-25537306/146, Customer Service (Direct) : 020-25520378,  
Fax : 020-25539369, E-mail : etdcpu@stqc.gov.in





<b>ELECTRONICS TEST &amp; DEVELOPMENT CENTRE - PUNE</b> Standardisation Testing & Quality Certification Directorate Department of Information Technology Ministry of Communication & Information Technology Government of India Agriculture College Campus, Shivajinagar <b>PUNE – 411 005</b>				<b>TEST REPORT</b>  Pressure Switch	
Report No.	TG-91(2019-20)	Date	03/12/19	Page	1 OF 4

1 Service Request No. ----- TG-91(19-20) Date ----- 29/11/19

2 Service requested by ----- Kaustubha Udyog, Sr. No. 36/1/1, Near Lokmat press, Sinhagad road, Wadgaon khurd, Pune 411 041

3. Report Issued to ----- Kaustubha Udyog, Sr. No. 36/1/1, Near Lokmat press, Sinhagad road, Wadgaon khurd, Pune 411 041



Issued by Head [CSC]  
रविंद्र प्र. देशपांडे / R. P. DESHPANDE  
वैज्ञानिक 'सी' / SCIENTIST "C"  
ई.टी.डी.सी.पुणे/ETDC, PUNE.  
सूचना प्रौद्योगिकी विभाग/DEPT OF I.T.  
भारत सरकार/GOVT., OF INDIA  
शिवाजीनगर, पुणे/Shivaji Nagar, Pune.





<b>ELECTRONICS TEST &amp; DEVELOPMENT CENTRE - PUNE</b> Standardisation Testing & Quality Certification Directorate Department of Information Technology Ministry of Communication & Information Technology <b>Government of India</b> Agriculture College Campus, Shivajinagar <b>PUNE – 411 005</b>				<b>TEST REPORT</b> Pressure Switch			
Report No.	TG-91(2019-20)	Date	03/12/19	Page	2	of	4

1 Service Request No. TG-91(2019-20) Date 29/11/19

2 Tested at ETDC, Pune

3 Item submitted on 29/11/19 4 Job completed on 03/12/19

5 Description & Identification of item

Nomenclature	Sr. No.	Type / Model	Make	Qty
Pressure switch	A19112240	HO 040 SUMO	Orion Instruments	01

6 Condition of item when received Satisfactory.

7 Test Method used OPT-14

8 Test specification As per the specifications given in the column "TEST", "CONDITION", "REQUIREMENT" on page no. 3 of this report.

9 Major equipments used in the test

Sr.	Name of the Equipment	Calibration Validity (dd-mm-yy)
1	Dust chamber (Kasco)	15/02/20
2	Test nozzle 6.3 mm as per IEC 60529	---

Tested by	Approved by Head [Testing]	Issued by Head [CSC]
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ETDC, PUNE

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Report No. TG-91(2019-20)

Discipline : Environment

Group: Electronics

## TEST SPECIFICATIONS / RESULTS

### 10.0 : TEST SPECIFICATIONS / TEST RESULTS

Sr. No.	Test	Condition	Requirement	Observations
10.1	IP6X (Dust tightness test).	Ref: IEC 60529, Category-2 Clause 13.4,13.6.2 Type of dust: Talcum powder. (Item not connected to vacuum pump). Duration: 8 hours. Condition of item: Normal mounting.	To be conditioned	Conditioned
10.2	Visual check	After the test	No deposit of dust is observable inside the enclosure.	Complied
10.2	IP X5 (Protection against water jets)	Ref: IEC 60529, Clause 14.2.5, 14.3 Test nozzle : 6.3 mm Delivery rate : 12.5 litre/minute $\pm$ 5 %. Test duration: minimum three Minutes. Direction of spray: All practicable directions. Distance from nozzle to enclosure surface: 3 meters.	To be conditioned	Conditioned
10.2.1	Visual check	After the test	The enclosure shall be inspected for ingress of water.	No ingress of water.

Remarks : As desired by the indenter, the sample has been tested for limited parameters only as reflected in the test-report. Hence the report must not be used for any publicity purpose regarding overall quality of the product.

Tested by	Approved by Head [Testing]	Issued by Head [CSC]





ETDC, PUNE

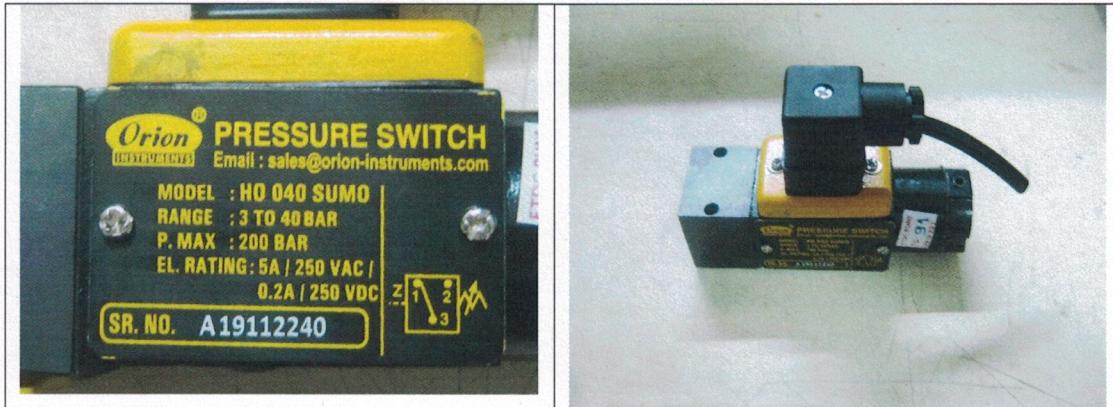
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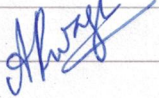
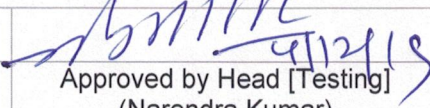
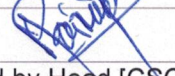
Report No. TG-91(2019-20)

Discipline : Environment  
11.0 : Photo of UUT:

Group: Electronics

Photo of Pressure switch  
(Refer Page-2 for Description and Identification of item)



		
<p>Tested by</p>	<p>Approved by Head [Testing] (Narendra Kumar) Scientist E"</p>	<p>Issued by Head [CSC]</p>

रविंद्र प्र. देशपांडे / R. P. DESHPANDE  
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