



# CLASSIC TESTING & RESEARCH CENTRE

B-17, Sector-65, Noida-201 307 (U.P.)

Ph.: 0120-4279394, Contact : 9717699751

Email: classiclab@gmail.com, ctrctestinglab@gmail.com

Website: www.classiclabindia.com



TC-6151

Test Report No: CTRC/TES/2K23/04/100

Issue Date: 02/05/2023

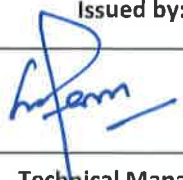
ULR No.: TC615123100000412F

Discipline: Electrical

Product Group : Environmental Test Facility

## TEST REPORT

Report No.....: CTRC/TES/2K23/04/100  
Date of issue.....: 02/05/2023  
Total number of pages.....: 04  
Testing Laboratory.....: CLASSIC TESTING & RESEARCH CENTRE  
Address.....: B-17, Sector-65, Noida-201307(U.P.)  
Customer / Manufacturer name.....: MEGA WORKER PRIVATE LIMITED  
Address.....: 25, Inder Road, Dalanwala, Dehradun -248001  
Test & Reference Standard: IP 68 as per IEC 60529:2001  
Test item description.....: Magnetic Type AMR Water Meter  
Model/Type reference .....: MAG01/Magnetic Type  
Brand Name .....: METRYS  
Sample Identification no(s).....: CTRC/TES/2K23/04/100

| Tested by:                                                                          | Approved by /<br>Authorized Signatory:                                              | Issued by:                                                                            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |
| Asst. Technical Manager<br>(Prabhanshu Singh)                                       | Laboratory Head<br>(Diksha Sharma)                                                  | Technical Manager<br>(Gautam Kumar)                                                   |
| Dated:02/05/2023                                                                    | Dated:02/05/2023                                                                    | Dated:02/05/2023                                                                      |





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## General product information:

### Testing.....:

Date of receipt of test item.....: 29/04/2023  
Condition of Sample Received.....: Good  
Sample Serial no(s).....: Nil  
Date(s) of performance of tests.....: 29/04/2023 to 01/5/2023  
Laboratory condition.....: 25±10°C, RH 55±10%

### General remarks (If any):

1. The test results presented in this report relate only to the object tested.
2. This report shall not be reproduced without the written approval of the issuing testing laboratory.
3. The Testing Standards/Instruments used are maintained in accordance with IS/ISO/IEC 17025 and are traceable to National and International standards.

Remarks: None

## SUMMARY OF TEST

| Test Method     | Tests performed (name of test)  |
|-----------------|---------------------------------|
| IEC 60529: 2001 | [Degrees of protection (IP 68)] |

## MAJOR EQUIPMENT USED

| Sr. No. | Equipment ID | Equipment name | Calibration Due Date |
|---------|--------------|----------------|----------------------|
| 1.      | CTRC/TES/130 | Dust chamber   | 16/08/2023           |
| 2.      | CTRC/TES/180 | Stopwatch      | 16/08/2023           |





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| S.No. | TEST PARAMETERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TEST METHOD             | OBSERVED RESULTS                                     |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------|
| 1.    | <b>Degree of Protection IP 68 (As per IEC 60529:2001)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |                                                      |
| a)    | <b><u>Dust test for first characteristic numerals 6:</u></b> (IP-6X)<br><br>Sample kept in the dust chamber for 8 hours in which talcum powder is maintained in suspension by an air flow with the dust volume 2kg/m3.                                                                                                                                                                                                                                                                                                | Cl. 13.4 of IEC 60529   | No Ingress of dust inside the sample after the test. |
| b)    | <b><u>Protection against water jet:</u></b> (IP-X8) (Second characteristic numeral 8)<br>The test is made by completely immersing the enclosure in water in its service position as specified by the manufacturer so that the following conditions are satisfied:<br>a) The lowest point of enclosure with a height less than 850mm is located 2000mm below the surface of the water.<br>b) The duration of the test is 24h.<br>c) The water temperature does not differ from that of the equipment by more than 5 K. | Cl. 14.2.8 of IEC 60529 | No Ingress of water inside the sample after the Test |

**Result: The Sample is meet the requirements of IP 68 as per the standard of IEC 60529: 2001.**





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Received Sample View:



\*\*\*End of the Report\*\*\*

