

# Multi-jet Dry Type Water meter

Brand: ITRON MULTIMAG TM II

P.R. No.

Item Code: 398MW12ITM

## Technical Specifications

### Offered Brand:

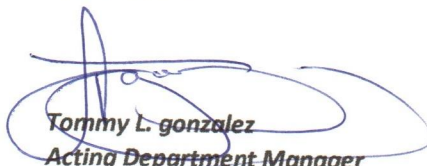
<b>A. Application</b>	
Clean, Potable and Cold Drinking Water	
1. Water temperature	+40°C max : +50°C but less than 1 hr
2. Accuracy	Class 2 ISO 4064
3. 360° Rotating lid	Not required
4. Non return valve	Not required
5. Special glass with high resistance to pressure and impact	Not required
6. Electrostatic painted body made of corrosion resistant brass	Not required
7. Protection against external magnetic fields	Not required
8. Available for optical reading	Not required
9. Pulse output and AMR reading features	Not required
10. Q4 (Maximum Flow), m <sup>3</sup> /hr, Allowable error = ± 2%	3
11. Q3 (Permanent), m <sup>3</sup> /hr, Allowable error = ± 2%	1.5
12. Q2 (Transitional), li/hr, Allowable error = ± 2%	120
13. Q1 (Minimum Flow), li/hr, Allowable error = ± 5%	30
10. Measuring Ratio: Q3/Q1, MI-001 OIML R49	50
11. Mounting on the network	Horizontal
12. Initial Flow, Qi, li/hr	10
13. Installation position	Horizontal
15. Maximum Working Pressure	16 bar
16. Pressure loss class	< 1 bar
17. Maximum Registration Capacity, m <sup>3</sup> /hr	99999
18. Smallest Reading Resolution, li/hr	0.02
19. Class	ISO 4064, Class B
<b>B. Dimensions</b>	
20. Nominal Diameter	15 mm
21. Connecting diameter	G 3/4 in.
22. Total Overall Height	112 mm
23. Length	165 mm

24. Width	80 mm
25. Length with connections	170 mm
<b>C. Warranty and Pre-requisites</b>	
25. 1 year warranty	Required
26. Service and spare parts available for 5 years	Required
27. All water meters found to be defective while undergoing accuracy test prior to field deployment shall be replaced with new units and still subject to retesting.	Required
28. All delivered units should be in accordance to the submitted brochure(s) and have passed the accuracy test. Afterwards, it shall undergo endurance performance test in the field for 1 year.	Required
29. Issuance of Compliance Certificate will depend on the passing results after a year of endurance performance test in the field.	Required
<i>Remarks</i>	

**Prepared by:**

  
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**Production Department**

**Approved by:**

  
**Tommy L. Gonzalez**  
**Acting Department Manager**  
**Production Department**




## TERMS OF REFERENCE

### SUPPLY AND DELIVERY OF BRAND NEW FLOWMETER 15mm (1/2"Ø)

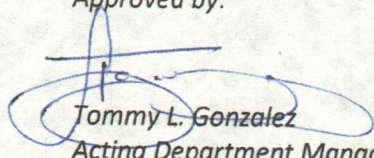
#### (FOR TEST PURCHASE)

1. The bidder/vendor/supplier must have at least a minimum of 5 years in existence in the business.
2. The bidder/vendor/supplier must submit an original complete set of brochures and shop drawings and indicate the offered items for proper evaluation.
3. The bidder/vendor/supplier must supply the same brand of water meter as specified in the test purchase.
4. The bidder/vendor/supplier shall deliver the flowmeter equipment to MCWD Warehouse located at Nasipit, Talamban, Cebu City.
5. The bidder/vendor/supplier shall conduct a free orientation for the operation, its preventive maintenance and basic troubleshooting of the flowmeter to MCWD personnel involved in the operation and maintenance.
6. The bidder/vendor/supplier should replace any flowmeter found to be defective during and after conducting the final accuracy testing.
7. The bidder/vendor/supplier is a bonafide and authorized to bid from the manufacturer.
8. The bidder/vendor/supplier must submit or issue the following certification:
  - i.) Certificate to provide technical support for the supplied equipment even after the transaction was consummated.
  - ii.) Certificate of spare parts availability in the next 5 years' period.
  - iii.) Certificate of warranty for a period of 1 year after the issuance of the Certificate of Acceptance.
9. MCWD has the exclusive right to deny or disqualify any bidder/vendor/supplier/manufacturer that has been found to have pending or unresolved technical issues specifically on 15mm (1/2"Ø) flowmeter on their previous deliveries or transactions.

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