Online Application No. 24066

[I-21/342/2026-W&M Section]

GOVERNMENT OF INDIA/भारत सरकार

MINISTRY OF CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION

उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय

DEPARTMENT OF CONSUMER AFFAIRS/ उपभोक्ता मामले विभाग

LEGAL METROLOGY DIVISION/ विधिक मापविज्ञान प्रभाग

Krishi Bhawan,New Delhi/कृषि भवन, नई दिल्ली

Dated/दिनांक-: 06.11.2026

Certificate of Approval of Model/ मॉडल का अनुमोदन प्रमाणपत्र

Whereas the Central Government, after considering the report submitted to it by prescribed authority, is satisfied that the model described in the said report (see the figure given below) is in conformity with the provisions of the Legal Metrology Act, 2009 (1 of 2010) and the Legal Metrology (Approval of Models) Rules, 2011 and the said model is likely to maintain its accuracy over periods of sustained use and to render accurate service under varied conditions;

Now, therefore, in exercise of the powers conferred by section 22 of the Legal Metrology Act, 2009 (1 of 2010) read with sub-rule (6) of rule 8 and sub-rule (4) of rule 11 of the Legal Metrology (Approval of Models) Rules, 2011, as per OIML R 49, the Central Government hereby issues the certificate of approval of model of water meter (Ultrasonic) of accuracy class 2 (hereinafter referred to as the said model) of series "MUW 50" and with brand name "MIAL INSTRUMENTS" manufactured by M/s. Mial Instruments Private Limited , 856/6. GIDC, Makarpura, Vadodara, Gujarat 390010 and which is assigned the approval mark IND/09/26/516 (the picture of the model is given below as Figure 1);

The said model is a water meter (ultrasonic) which is based on principle of ultrasonic sensing.

Technical Data:

Accuracy Class	2
Tested as per standard	OIML R 49
DN Size	25 mm
Scale division	0.001 m^3
Flow Rates	Q_1 = 0.025 m^3/h Q_2 = 0.04 m^3/h Q_3 = 6.3 m^3/h Q_4= 7.875 m^3/h
Type of Display	LCD
No.of digits	9 (99999.9999 m^3)
Power Supply	5 V DC
Software version	V02039
Checksum	39

Figure-1



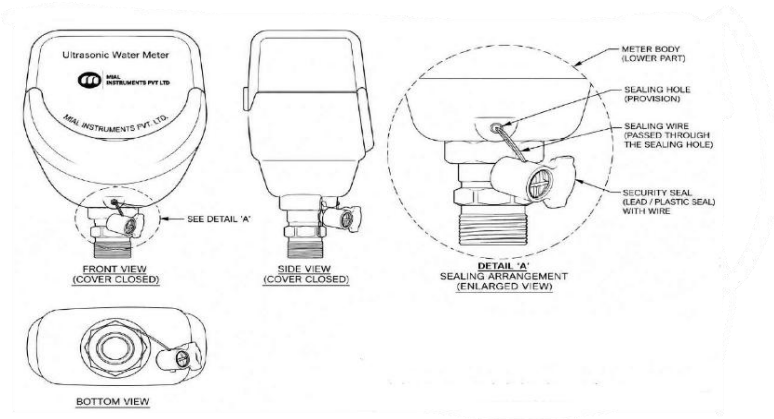




Figure 2

Sealing is done by passing the sealing wire through the sealing hole provided on the lower part of the meter body. A dip switch is provided on the mother board to prevent the external calibration. A typical schematic diagram and photograph of sealing provision to prevent the fraudulent practices of the model is given above as Figure 2.

[F.No. I-21/342/2026-W&M Section]

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