



Online application no. 24054

[I-21/181/2026-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:- 29.06.2026

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 Schedule Eighth of the Legal Metrology (General) Rules, 2011, the Central Government hereby issues the certificate of approval of model of Electromagnetic Flow meter of accuracy class 0.5 of series “MEF 2100” and with the brand name “MIAL INSTRUMENTS” (hereafter in referred to as the said model) manufactured by M/s Mial Instruments Private Limited, 856/6, G.I.D.C., Makarpura, Vadodara-390010, Gujarat and which is assigned the approval mark IND/09/26/301 (the picture of the model is given below as Figure 1);

Technical Data:

Working Principle	Electromagnetic Induction
Accuracy class	0.5
Size	50 mm diameter
Maximum Flow Rate	50 m ³ /h
Minimum Flow Rate	2.0 m ³ /h
Minimum Measured Quantity (MMQ)	1 liter
Type of Display	LCD
Smallest Division	0.1 liter (100 ml)
Volume display	8 digits
Totalizer display	9 digits
Power Supply	85V AC to 265VAC or 24 V DC
Connection type	Flange connection type
Software version	FL20.11.V3.10
Checksum	F99F1003-250514
Intended for measure	Conductive liquids such as wastewater, slurry or chemical solution

Figure 1

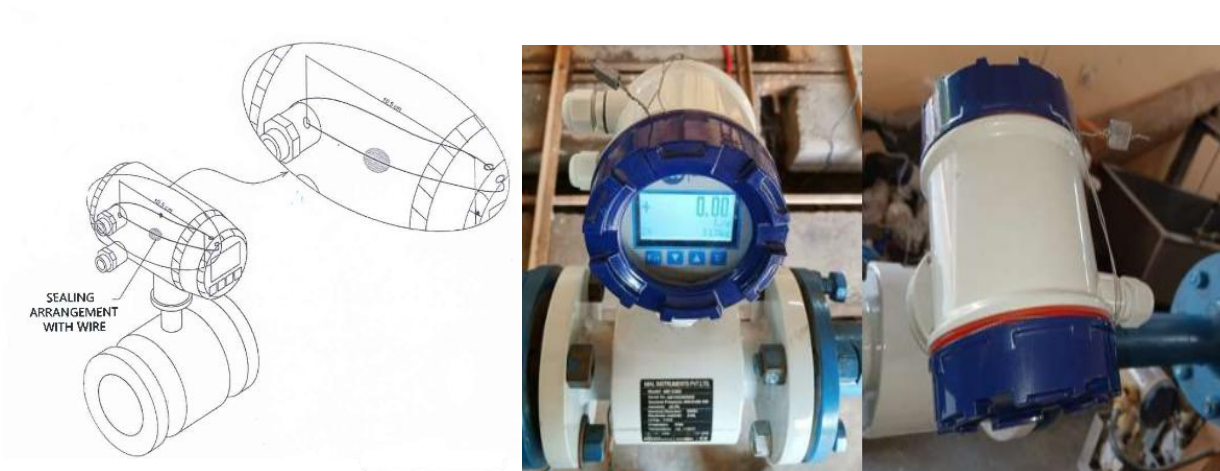


Figure 2

A typical schematic diagram of sealing provision to prevent the fraudulent practices of the model is given above as Figure 2. A dip switch is provided on the mother board to prevent the external calibration.

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