



Online application no. 18801

[I-21/202/2026-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. 07.2026

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 117, the Central Government hereby issues the certificate of approval of model of Electromagnetic Flow meter of accuracy class 0.5 of series "MFI-013" and with the brand name "Aarohi" (hereafter in referred to as the said model) manufactured by M/s. Aarohi Embedded Systems Private Limited, Plot No. G-(1004-8)A, Kishan Gate No-3, Nr. Durga Weigh Bridge, GIDC Metoda, Rajkot, Gujarat-360021 and which is assigned the approval mark IND/09/26/ 327 (the picture of the model is given below as Figure 1);

Technical Data:

Category of instrument	Electromagnetic Flow meter
Tested as per standard	OIML R 117
Accuracy class	0.5
Size	50 mm
Maximum Flow Rate	40 m ³ /h
Minimum Flow Rate	2.0 m ³ /h
Minimum Measured Quantity (MMQ)	0.1 m ³
Smallest Division	0.001 m ³
Type of Display	Graphic LCD
Totalizer	9 digits
No of digits for flow rate	5 digits
Power Supply	230 V AC/ 24 V DC
Software version	V2.33b.zip
Checksum	d8bf15836e948ceb038ea2725e9913bd
Probable use	Used in measuring Volume & Flow rate of conducting liquids.

Figure 1



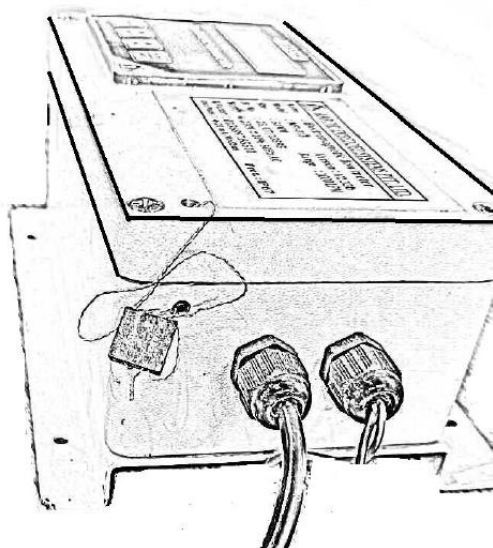


Figure 2

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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