



[I-21/126/2025-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/कृषि भवन, नई दिल्ली

Dated/दिनांक:- 01.07.2025

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 Mass Flow meter (Coriolis mass flowmeter) of accuracy class 0.5 of series "MASSFLOW 2100" and with the brand name "MIRRANT" (hereafter in referred to as the said model) manufactured by M/s Mirrant Automation Private Limited, Plot No. 6A/5, IDA Phase-I, Patancheru, Sangareddy district, Hyderabad-502319, Telangana which is assigned the approval mark IND/09/25/249 (the picture of the model is given below as Figure 1);

The said model is Mass Flow meter (Coriolis mass flowmeter) unit. Its nominal diameter is 25mm.

**Technical Data:**

Accuracy class	0.5
Tested as per standard	OIML R 117
Size	25 mm
Maximum Flow Rate	10000 kg/hr
Minimum Flow Rate	200 kg/hr
Minimum Measured Quantity (MMQ)	10 kg
Resolution/Smallest division	0.1 kg
Type of Display	LCD
No. of Digits for mass display	9 digits
No. of digits of Totalizer	9 digits
Power Supply	230 V AC/ 24 V DC

Figure 1



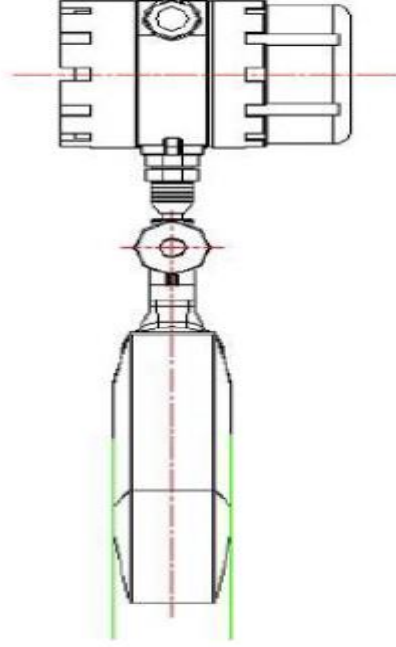


Figure 2

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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