



[I-21/290/2025-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:- 11.11.2025

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 Coriolis mass flow meter of accuracy class 0.3 of series “VSAN-MFT” and with the brand name “VSAN SENSORS” (hereafter in referred to as the said model) manufactured by M/s. VSAN ELECTRICALS AND SENSORS, No. 10, Rajarajan Nagar Extension, Vanagram, Chennai-600095 which is assigned the approval mark IND/09/25/ 478 (the picture of the model is given below as Figure 1);

Technical Data:

Type of equipment	Coriolis Mass flowmeter (Measuring systems on pipelines)
Accuracy class	0.3
Procedure adopted for testing & conformity	OIML R 117
Size	100 mm
Maximum Flow Rate	100 m ³ /h
Minimum Flow Rate	10 m ³ /h
Minimum Measured Quantity (MMQ)	1 m ³
Smallest division	0.001m ³
No.of digits for Flow rate	6 digits
No. of digits for Totalizer	9 digits
Type of Display	LCD
Power Supply	230 V AC/ 24 V DC
Software version	V 4.20
Checksum	52feada1f47ff52a698c07075170fa9f4f14b0e6
Probable use	Measuring the flow rate / volume of all kinds of liquids

Figure 1



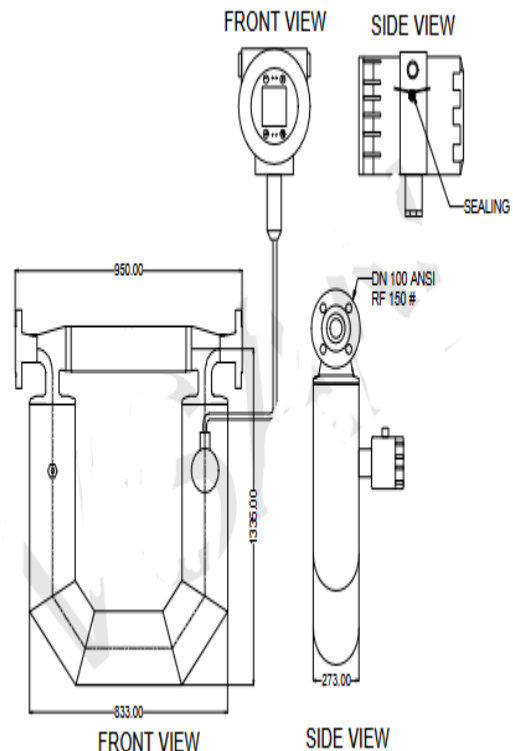


Figure 2

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.

Further, in exercise of the power conferred by sub-rule (9) of rule 8 of the Legal Metrology (Approval of Models) Rules, 2011, the Central Government hereby declares that this certificate of approval of the said model shall also cover the coriolis mass flowmeter of similar make, accuracy and performance of same series from 100mm to 300mm manufactured by the same manufacturer in accordance with the same principle, design and with the same materials with which, the said approved model has been manufactured.

[F.No. I-21/290/2025-W&M Section]



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Date: 2025.11.11
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(Ashutosh Agarwal/आशुतोष अग्रवाल)
Director (Legal Metrology) to Govt. of India/ निदेशक (विधिक माप विज्ञान) भारत सरकार

Phone/दूरभाष 01123389489

Email/ई-मेल: dirwm-ca@nic.in

Online application no. 22071