



[I-21/97/2025-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

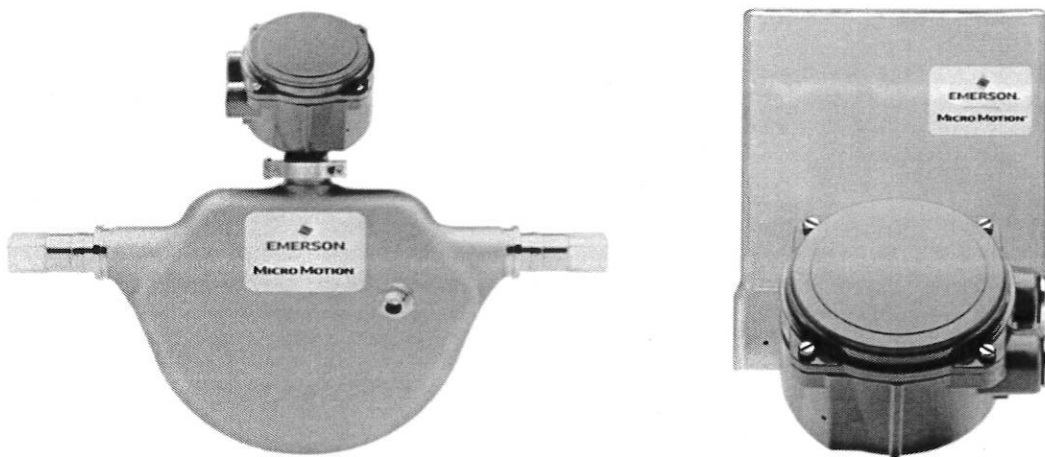
Krishi Bhawan/कृषि भवन, नई दिल्ली
Dated/दिनांक:- 17.04.2025

Certificate of Approval of Model/ मॉडल का अनुमोदन प्रमाणपत्र

Whereas the Central Government, after considering the report submitted to it by prescribed authority, along with the OIML Certificate No R139/2018-A-NL-1-21.03 revision 3 issued by NMI Certin B.V, Thijssseweg 11, 2629 JA Delft, The Netherlands 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, the Central Government hereby issues the certificate of approval of the model of a measurement sensor (Coriolis Sensor) of type "HPC015 & HPC020" with brand name "MicroMotion" intended to be used in measurement of compressed gases including hydrogen (hereafter in this notification referred to as the said model) manufactured by M/s Emerson Process Management Flow B.V, Neonstraat 1, 6718 WX Ede, The Netherlands and imported & marketed in India without any alteration before or after sale by M/s Emerson Process Management (India) Private Limited, Plot No. C-1, Talegaon Industrial Area, MIDC Phase II, Mindewadi, Mawal, Pune, Maharashtra 411057 which is assigned the approval mark IND/09/25/125 (the picture of the model is given below as Figure 1);

Figure 1



General characteristics of the family of the instruments:

Sensor Type	HPC015	HPC020
Minimum flow rate(kg/min)	0.1	0.2
Maximum flow rate(kg/min)	4.0	8.0
MMQ(kg)	0.2	0.5
Maximum pressure(bar(g))	1060	983
Diameter in/outlet (mm)	15	20



General characteristics of Measurement Sensor HPC015 & HPC020

Accuracy class	2 or 4 (depending on measuring system accuracy class)
Environmental class	M1/ E2
Ambient temperature range	-40 – +55 °C; condensing humidity
Product temperature range	-40 – +40 °C
Intended for the measurement of	Compressed gases including Hydrogen
Power supply voltage	230 V AC; 50/60 Hz or 24 V DC

General characteristics of the MVD series electronics:

Environmental classes	M2 / E2
Ambient temperature range	-40...+55 °C
Power supply voltage	24 VDC 18...30 VDC 18...100 VDC / 85...265 VAC, 50...60 Hz

General characteristics of the 5700 electronics:

Environmental classes	M2 / E2
Ambient temperature range	-25...+55 °C(if the display is the primary indication) -40...+55 °C(if an approved external display is used as (primary indication)
Power supply voltage	21...90 VDC 100...240 VAC 50...60 Hz

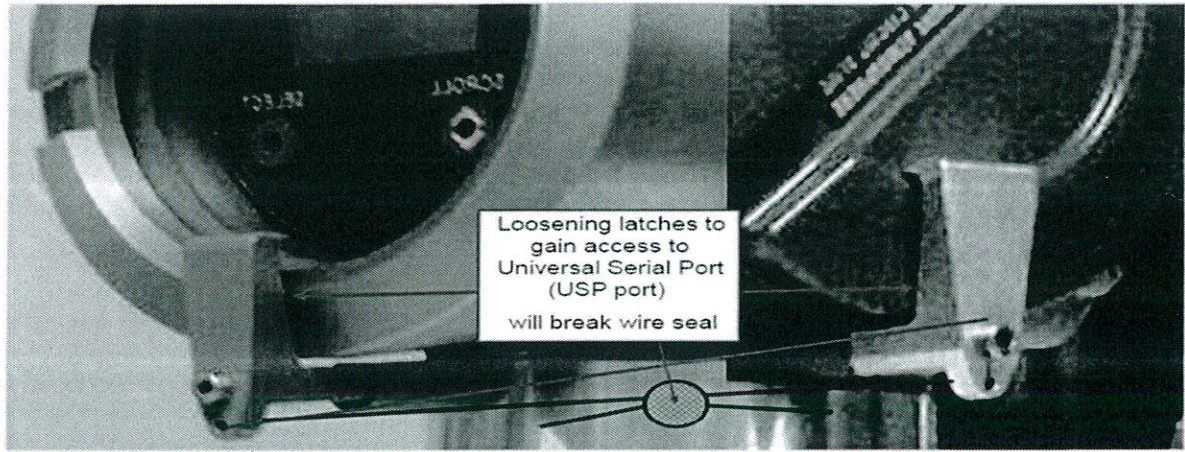


Figure 2

A typical schematic diagram of sealing provision to prevent the fraudulent practices of the model is given above as Figure 2

[F.No. I-21/97/2025-W&M Section]

(Signature)

(Ashutosh Agarwal/आशुतोष अग्रवाल)
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