Online application no. 24050

[I-21/197/2026-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/कृषि भवन, नई दिल्ली

Dated/दिनांक-: 06.10..2026

Certificate of Approval of Model/ मॉडल का अनुमोदन प्रमाणपत्र

Whereas the Central Government, after considering the report submitted to it by the prescribed authority along with the Type examination certificate no.- DE-20-M-PTB-0018, Revision 8 issued by Physikalisch-Technische Bundesanstalt (PTB), Germany 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 Gas meter for non-fuel gas and for the industry , Type: " Promass F/O/Q/X 300/500" (hereinafter referred to as the said model), manufactured by M/s Endress+Hauser Flowtec AG, Kagenstrasse 7, 4153 Reinach BL 1 , SCHWEIZ and imported & marketed in India without any alteration before or after sale by M/s Endress+Hauser (India) Private Limited, 7B, 7th Floor, Godrej One, Pirojshahnagar, Eastern Express Highway, Vikhroli , Mumbai, Maharashtra-400079 and which is assigned the approval mark IND/09/26/ 465 (the picture of the model is given below as Figure 1);

Valid until: 02.07.2030

Figure 1



Technical Data:

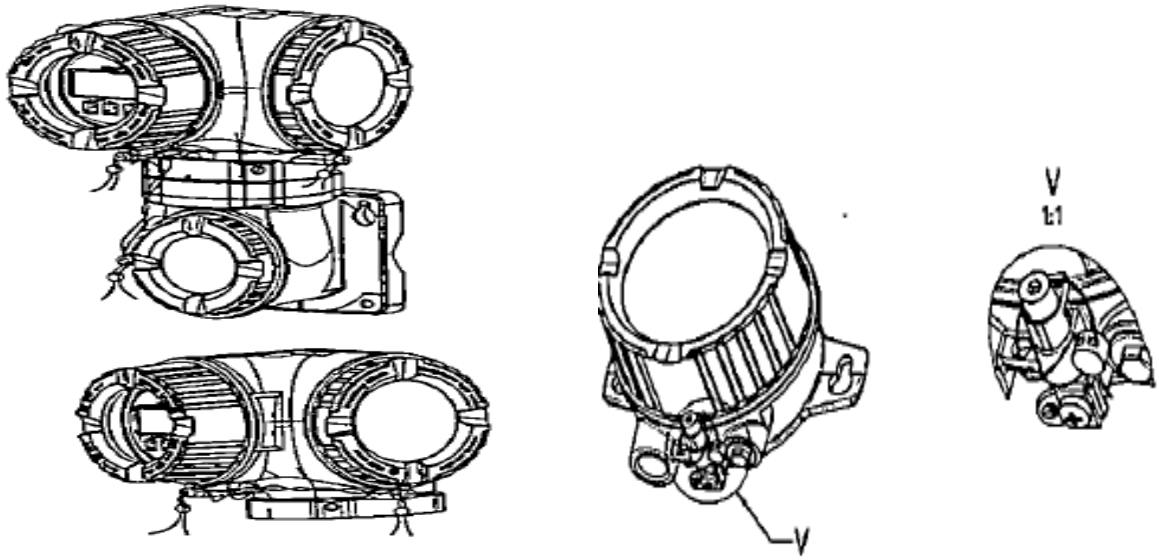
Accuracy Class	0.5, 1.0
Ambient Temperature range	-40°C to +55°C
Gas Temperature range	-40°C to +55°C
Maximum gas pressure range	Variant Highest absolute pressure F 100 bar O 258 bar Q 100 bar X 100 bar
Mechanical Environment condition	M3
Electromagnetic ambient condition	E2

Measurement Ranges:

Nominal Diameter	Variant of the Promass 300/500	Min. flow rate Qmin	Max. flow rate Qmax	Minimum admissible density at $p_{e,min}$
DN 8	F	3.6	22.5	0.9
DN 15	F	12	60	1.0
DN 25	F	30	200	0.8
DN 40	F	135	400	1.7
DN 50	F	210	600	1.8
DN 80	F/O	550	1200	2.3
DN 100	F/O	1260	2000	3.2
DN 150	F/O	1860	3000	3.1
DN 250	F/O	5100	8000	3.2
DN 350	X	10200	16000	3.2
DN 25	Q	24	253	0.48
DN 50	Q	86	860	0.5
DN 80	Q	293	2057	0.73
DN 100	Q	755	5208	0.73
DN 150	Q	1058	7054	0.75
DN 200	Q	1600	10416	0.77
DN 250	Q	3295	17812	0.93

Software Details:

HART I/O		Modbus I/O	
Version	Checksum	Version	Checksum
01.05.00	0xB4A1	01.05.00	0xA9EE
01.05.01	0x59D4	01.05.01	0x2B95
01.05.02	0xE6B5	01.05.02	0xF1B7
01.05.03	0xD79D		
01.06.00	0x4BDD	01.06.00	0x8894
01.06.01	0x9BB4	01.06.01	0x58FD
01.06.02	0x4604	01.06.02	0x7680
01.06.03	0x97A8	01.06.03	0xA72C



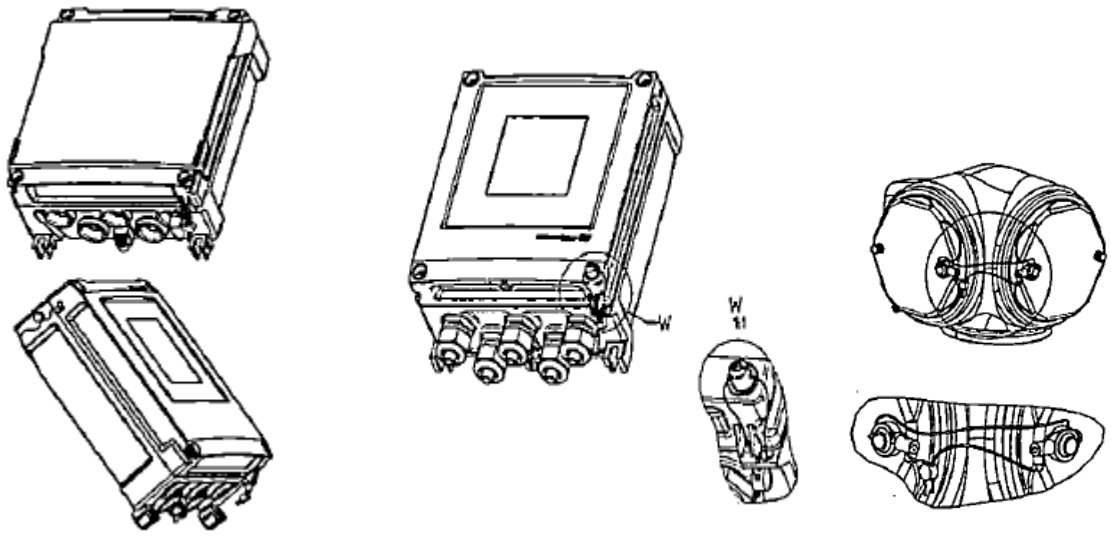


Figure-2

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

[F.No.I-21/197/2026-W&M Section]

ASHUTOSH AGARWAL
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Date: 2026.10.06 17:09:08 +05'30'

(Ashutosh Agarwal/आशुतोष अग्रवाल)
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