



Online application no. 23584

[I-21/23/2026-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:- 03. 07..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 OIML Certificate No: R137/2012-A-NL1-21.05 revision 2 issued by NMI Netherland 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 Ultrasonic Gas meter, Type: "FLOWSIC600-XT" of accuracy class: 0.5 (hereinafter referred to as the said model), manufactured by M/s Endress+Hauser SICK GmbH+Co.KG, Bergener Ring 27, 01458 Ottendorf-Okrilla and imported & marketed in India without any alteration before or after sale by M/s Endress+Hauser (India) Private Limited, India 7B, 7th Floor, Godrej One, Pirojshahnagar, Eastern Express Highway, Vikhroli, Mumbai, Maharashtra-400079 which is assigned the approval mark IND/09/26/ 311 (the picture of the model is given below as Figure 1);

Figure 1



Technical Data:

Destined for the measurement of	Gas volume
Environmental classes	M2 / E2
Accuracy class	0.5
Minimum operating pressure	Atmosphere
Maximum operating pressure	Depending on transducer type
Ambient temperature range	-40°C to +70 °C
Process gas temperature range	-40°C to +70 °C
Designed for	Non-condensing humidity & condensing humidity
Power supply voltage	6 – 24 V DC

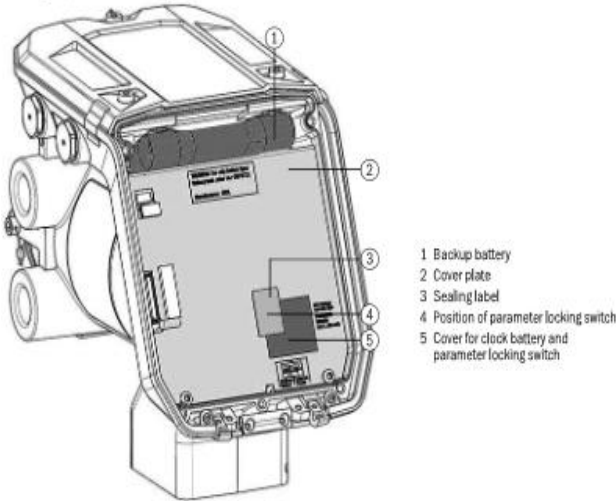


Diameter Nominal	Maximum Vmax [m/s]	Minimum	
		Vt [m/s]	Vmin [m/s]
80mm	39.22	2.45	0.31
100 mm		2.54	
150 mm		1.75	
200 mm		1.57	
250 mm		1.54	
300 mm	37.84	1.5	
350 mm	35.64		
400 mm	35.48		
450mm	34.64		
500mm			
550mm			
600mm			
650mm	33.96		
700mm	33.07		
750mm	32.08		
800mm	31.05		
850mm	29.34		
900mm	28.40		
950mm	27.49		
1000mm	27.09		

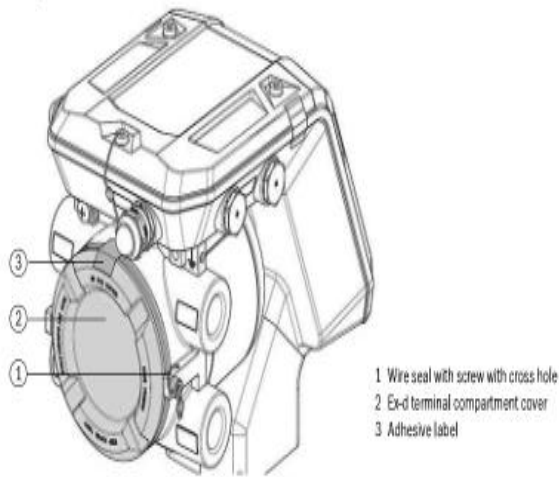
Software Details:

Software versions	CRC Checksum
1.05.00	0x78E1
1.06.00	0x06F9
2.01.00	0x1E05

Sealing of parameter locking switch



Sealing the Ex-d terminal compartment



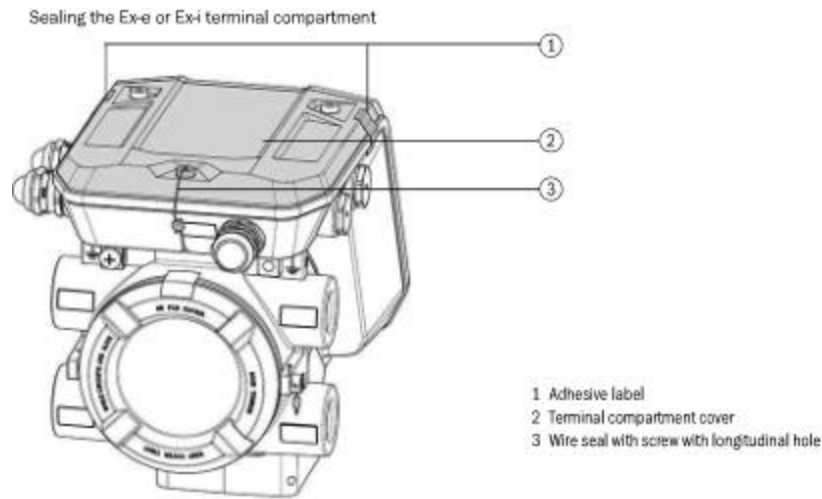


Figure-2

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

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(Ashutosh Agarwal/आशुतोष अग्रवाल)
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