



[I-21/25/2024-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:- 07.02.2024

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-NL1-20.09 revision 1** issued by NMI Certain B.V. 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 and as per OIML R137, the Central Government hereby issues the certificate of approval of the model of Diaphragm Gas Meter, Type: "Atmos xxS (xx is G1.6, G2.5, G4, G4L, G6M, WG2.5 or WG6M), Atmos HP xxA (xx is G1.6, G2.5, G4, G4L, G6M, WG2.5 or WG6M)" of accuracy class: 1.5 (hereinafter referred to as the said model), manufactured by M/s ZENNER Metering Technology (Shanghai) Ltd. NO.6558, East Yinggong Road Qingpu Industrial Zone, Shanghai P.R. China and imported & marketed in India without any alteration before or after sale by M/s Virtuoso Technologies India Private Limited 609/610, Roots Tower, Laxmi Nagar District Centre, Laxmi Nagar, East Delhi-110092 which is assigned the approval mark IND/09/24/63 (the picture of the model is given below as Figure 1);

Figure 1





Characteristics of the measuring instrument

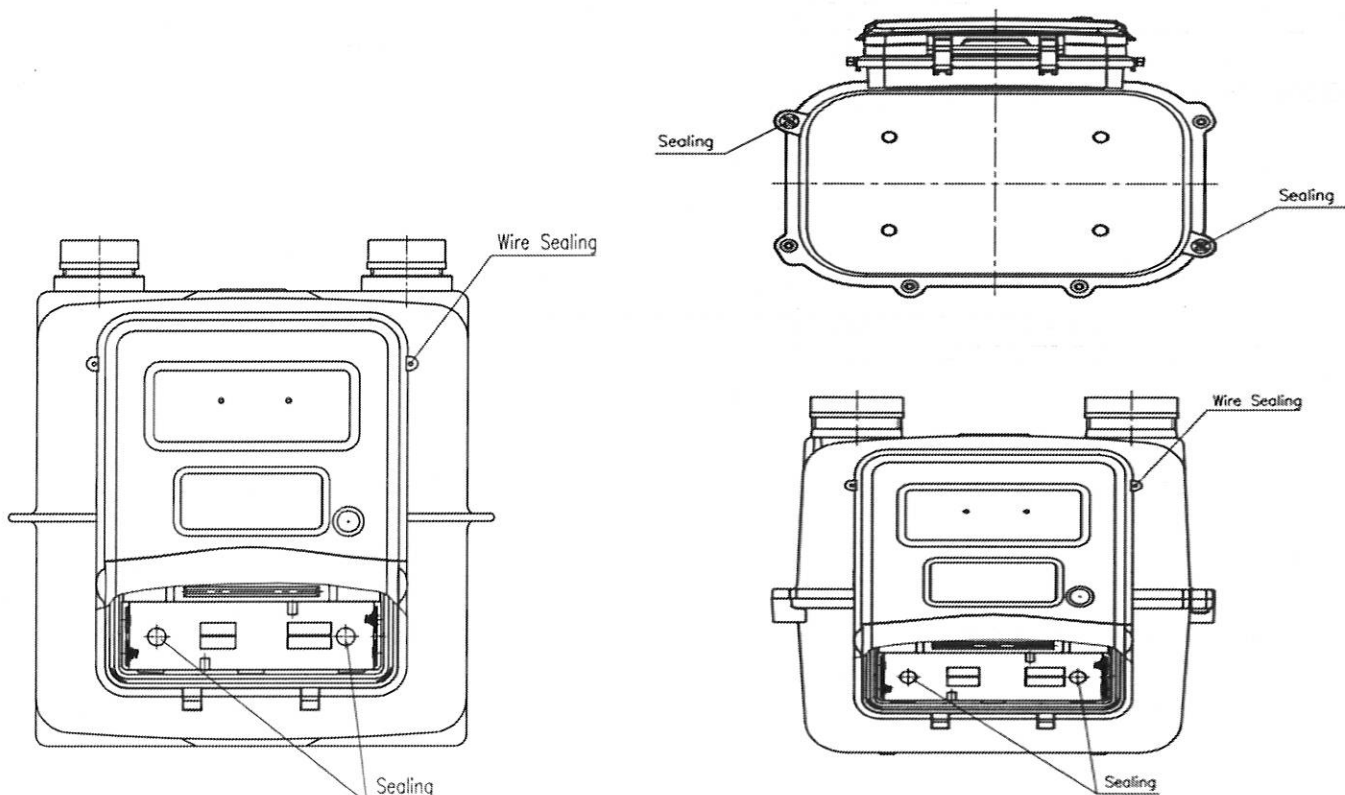
In Table 1 the general characteristics of the measuring instrument are presented. Table 2 gives an overview of the general characteristics of the family of instruments.

Table 1 General characteristics

Destined for the measurement of	Gas volume
Environmental classes	M1 / E1
Accuracy class	1,5
Maximum pressure	Atmos xxS: 0,5 bar Atmos HP xxA: 1,5 bar
Ambient temperature range	-25 – +55 °C
Gas temperature range	-25 – +55 °C
Designed for	Condensing humidity
Orientation	Connection ports vertical

Table 2 General characteristics of the family of instruments

Meter size	G1.6	G2.5	G4	WG2.5	G4L	G6M	WG6M
Minimum flow rate Q_{min} (m ³ /h)	0,016	0,025	0,04	0,016	0,04	0,06	0,04
Transitional flow rate Q_t (m ³ /h)	0,25	0,4	0,6	0,2	0,6	1	0,6
Maximum flow rate Q_{max} (m ³ /h)	2,5	4	6	6	6	10	10
Overload flow rate Q_r (m ³ /h)	3	4,8	7,2	7,2	7,2	12	12
Cyclic volume (dm ³)	1,2			2,0			
Indicating range (m ³)	99999			99999			
Verification scale interval (m ³)	0,0002			0,0002			



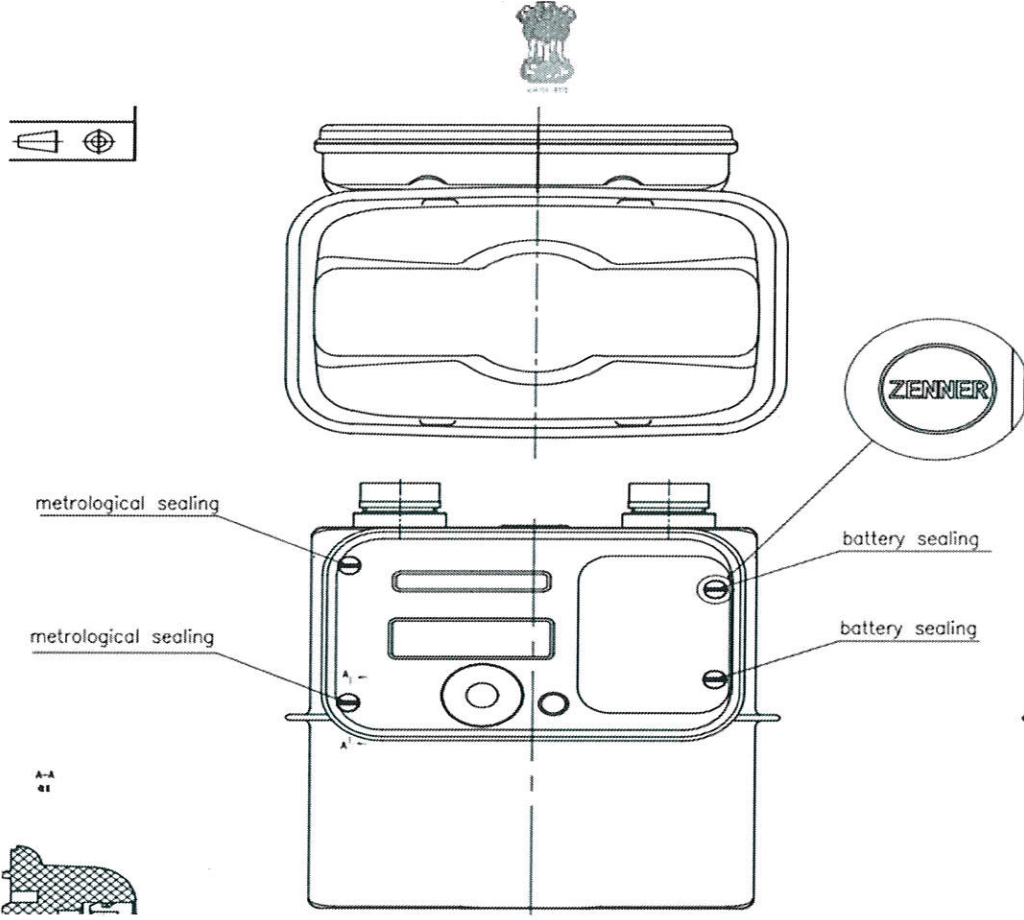


Figure-2

Sealing Provision

The following items of the meter are sealed:

- The nameplate of the meter;
- The entrance to the measuring part of the aluminium meters is sealed with two or more seals;
- The entrance to the register is sealed with two or more seals;
- The Smart index has its battery sealed behind 1 seal;
- If a separate nameplate is used to show the pulse value this nameplate has to be sealed.

The battery cover can be sealed with an installation seal. Examples of the sealing are given in Figure-2.

[F.No.I-21/25/2024-W&M Section]

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