



[I-21/224/2025-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:- 25.09.2025

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 R137/2012-A-NL1-20.01 revision 13 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 Thermal-Mass Flow Gas Meter of type "x485xxx" with brand name "MeterSit" intended to be used in measurement of gas volume of natural gas, type H or L (hereafter in this notification referred to as the said model) manufactured by M/s MeterSit S.r.l, Viale dell'Industria, 35129 Padova, Italy and imported & marketed in India without any alteration before or after sale by M/s INEL Gas Metering Systems Private Limited, E-34, GIDC Industrial Estate, Manjusar, Savli, Vadodara, Gujarat-391775 and which is assigned the approval mark IND/09/25/ 369 (the picture of the model is given below as Figure 1);

Valid until: 01.01.2031

Figure 1



**Technical Details:**

Destined for the measurement of	Gas volume of natural gas, type H or L or Gas volume of natural gas, type H,L and E with a Gross Wobbe Index between 39.1 MJ/m ³ and 54,7 MJ/m ³ at 15 °C and 1,01325 bar, including mixtures with a hydrogen concentration of up to 23% by volume.
Environmental classes	M1/ E2
Accuracy class	1.5
Maximum pressure	500 mbar
Ambient temperature range	-25 to +55°C
Gas temperature range	-25 to +55°C
Designed for	Condensing humidity
Orientation	Horizontal
Power supply voltage	Battery powered

General Characteristics of the family of instrument:

Meter Size	G1.6	G2.5	G4 MMU6	G4 ext.	G6
Minimum flow rate Q _{min} ((m ³ /h)	0.016	0.025	0.04	0.016	0.06
Transitional flow rate Q _t (m ³ /h)	0.25	0.4	0.6	0.25	1
Maximum flow rate Q _{max} (m ³ /h)	2.5	4	6	6	10
Overload flow rate Q _r (m ³ /h)	3	4.8	7.2	7.2	12
Indicating range (m ³)	99999 or 999999				
Verification scale interval(m ³)	0.001				
Nominal Diameter (mm)	19 or 32	32			

General Characteristics of the family of instruments:

Meter Size	G10 MMU16	G16 MMU25	G25 MMU40	G40
Minimum flow rate Q _{min} ((m ³ /h)	0.1	0.16	0.25	0.4
Transitional flow rate Q _t (m ³ /h)	1.6	2.5	4	6.5
Maximum flow rate Q _{max} (m ³ /h)	16	25	40	65
Overload flow rate	19.2	30	48	78



Qr (m ³ /h)			
Indicating range (m ³)	999999		
Verification scale interval(m ³)	0.001		
Nominal Diameter (mm)	1 1/4" BS746 or 50	65	Flange type 02 PN16 DN65

Software Identification:

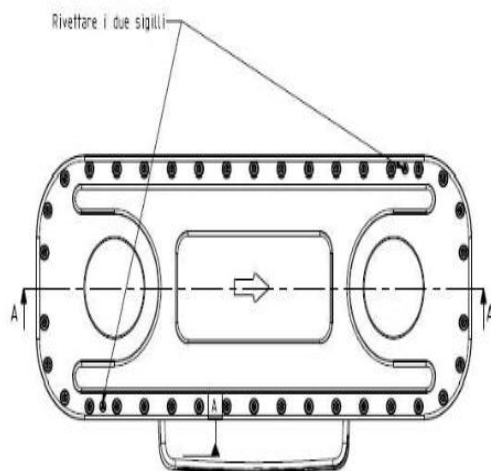
Software identification	Version Number	Checksum	Meter Size
	EL10	ADB2	G1.6
	EL40	A7345A73	G2.5
	EL40	3F8C0F42	G4 extended
	EL10	ADB2	G4 MMU6
	E132	03EF	
	E167	D029	
	G182	A1A8	
	G192	18FB	
	G193	03B6	
	G194	1CCF	
	GL01	5812	
	GL10	8096	
	GL10	1FA8	
	I192	8F41	
	GL20	1B98163C	
	GL20	E06D5DC3	
	GL20	8EE0A289	
	GL40	8AAEF5ED	
	GL40	9658D989	
	GL45	8C4516C6	
	GL45	423BE916	
	GL26	923DD39B	G4 MMU6 dot display
	GL26	FEBB199D	
	A132	CA53	G6
	A167	7199	
	J182	BDC1	
	J192	3484	
	J193	4586	
	J194	5FFA	
	JL01	B0DE	
	JL10	7EEA	
	L192	D8DD	
	JL40	A7BCEB12	
	JL40	568CB31F	
	B166	6CA4	G10 MMU16
	B183	82D8	
	B192	B8EF	
	B194	22FA	
	BL01	BD57	
	BL10	4175	
	BL40	AE0F5A61	
	BL50	9F15B0A0	
	BL 80	A29F2615	
	BL80	228C7D05	
	C182	C9BE	
	C192	BC94	



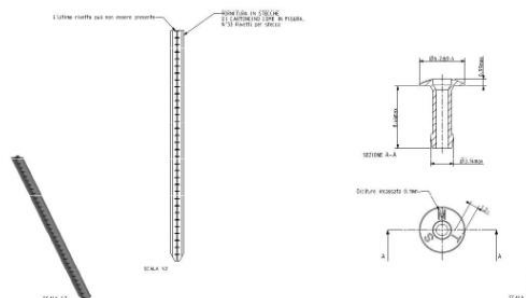
	C194 CL01 CL10 CL11 F154 F166 CL13 CL40 CL50 CL80	F780 62F5 B51F F7E8 E336 7D4C D1DD9B83 306988F6 2CB841D8 0723FE84	G16 MMU25
	D182 D192 D194 DL01 DL10 DL11 H154 H166 DL13 DL40 DL50 DL80	E589 E889 416D CBFE 38FA 3EF9 6B95 F29E 050A7042 52840ABD A084B5EF FE5AF1C8	G25 MMU40
	ML38	D38DC219	G40
Metrology Processing software	EL30 EL31 EL32 EL37	3CA2E7AF FCCC0334 98ED4B7A DAE8303A	G1.6 G2.5 G4 extended
	GL30 GL31 GL32 GL35	457E70AC 7B3F312A 2044FB12 A1919F0B	G4
	JL30 JL31 JL32	917875FB 9F7F23C6 1D9A869B	G6
	O430	375B8BF8	GPRS
	O431 A450	C6ECD32B 7C701E45	NB-IoT
	U530	CD16D523	WMBUS
	W530	CD16D523	Walk-By

Sealing:

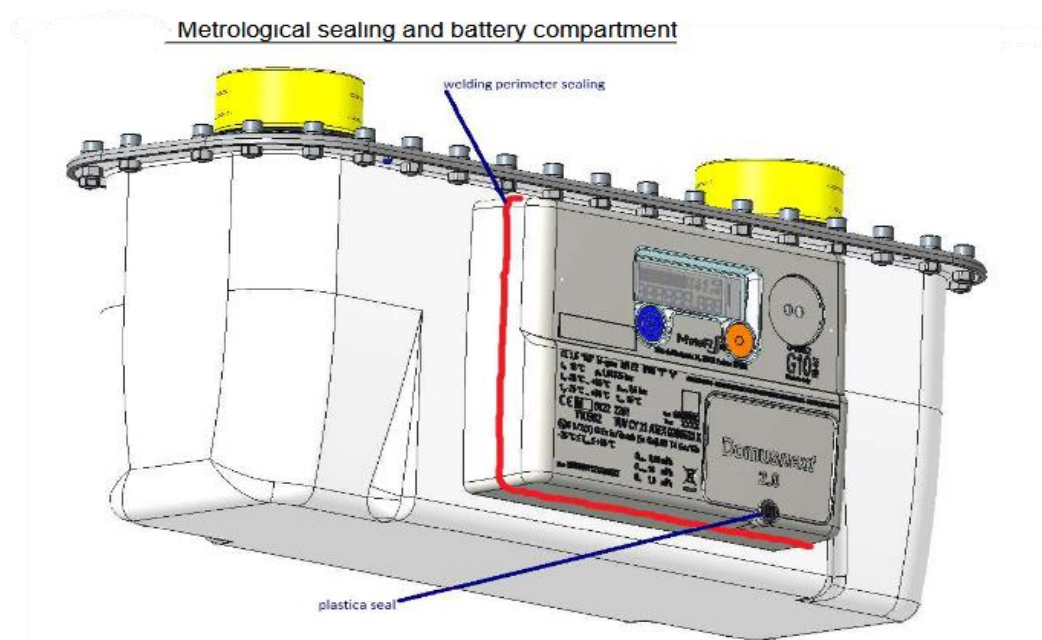
(a) For Type: x4852xx, x4853xx, x4854xx



Gas meter with rivets, top view



Rivets



(b)For Type: x4850xx, x4851xx, x4855xx

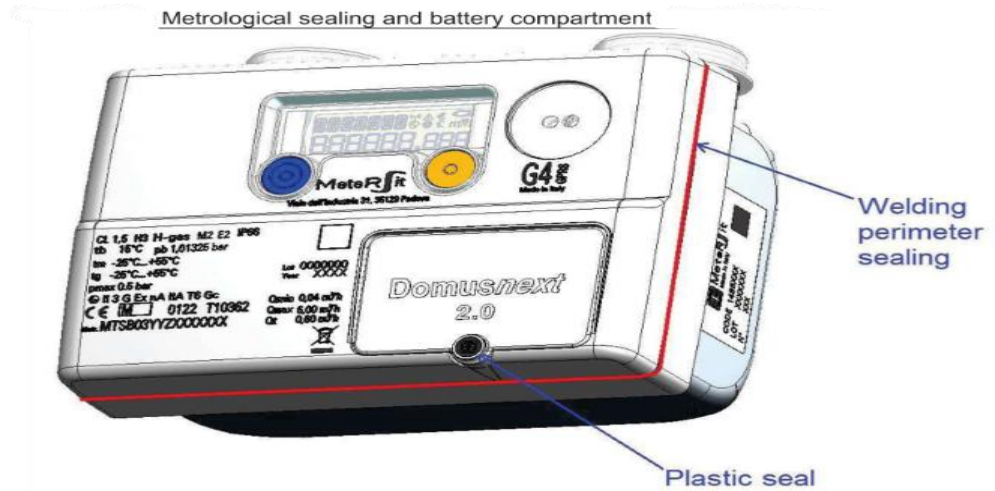


Figure 2

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

[F.No. I-21/224/2025-W&M Section]



(Ashutosh Agarwal/आशुतोष अग्रवाल)

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