[I-21/364/2023-W&M Section]
GOVERNMENT OF INDIA/भारत सरकार
MINISTRY OF CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION
उपभोता 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:- 20.03.2024

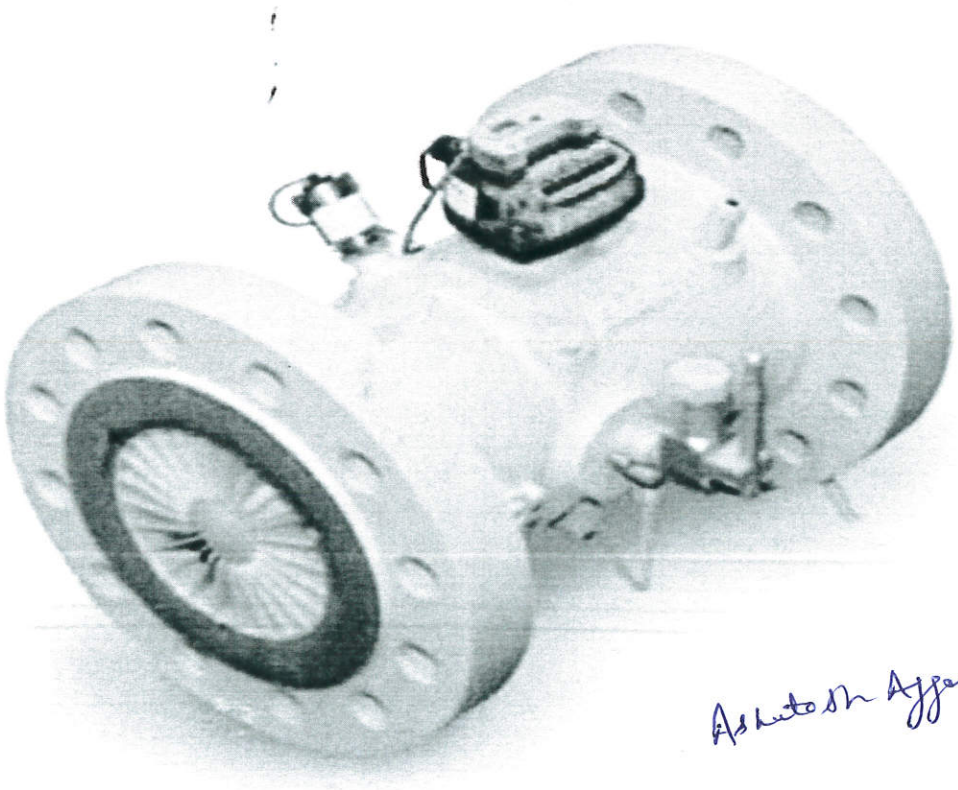
Certificate of Approval of Model/ मॉडल का अनुमोदन प्रमाणपत्र

Whereas the Central Government, after considering the report submitted to it by the prescribed authority along with the EU type examination certificate no. **DE-10-MI002-PTB001, Revision 3** issued by 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 and as per the Directive 2014/32/EU of the European Parliament, the Central Government hereby issues the certificate of approval of the model of Gas Meter, Type: " TZ/Fluxi " of accuracy class: 1.0 (hereinafter referred to as the said model), manufactured by M/s Dresser Utility Solutions GmbH, HardeckstraBe 2, 76185 Karlsruhe and imported & marketed in India without any alteration before or after sale by M/s Genus Power Infrastructures Ltd, SP-1-2317, RIICO Industrial Area, Ramchandrapura, Sitapura Extn., Jaipur-302022, Rajasthan which is assigned the approval mark IND/09/24/137 (the picture of the model is given below as Figure 1);

Valid until: 29.05.2029

Figure 1



Ashutosh Agam

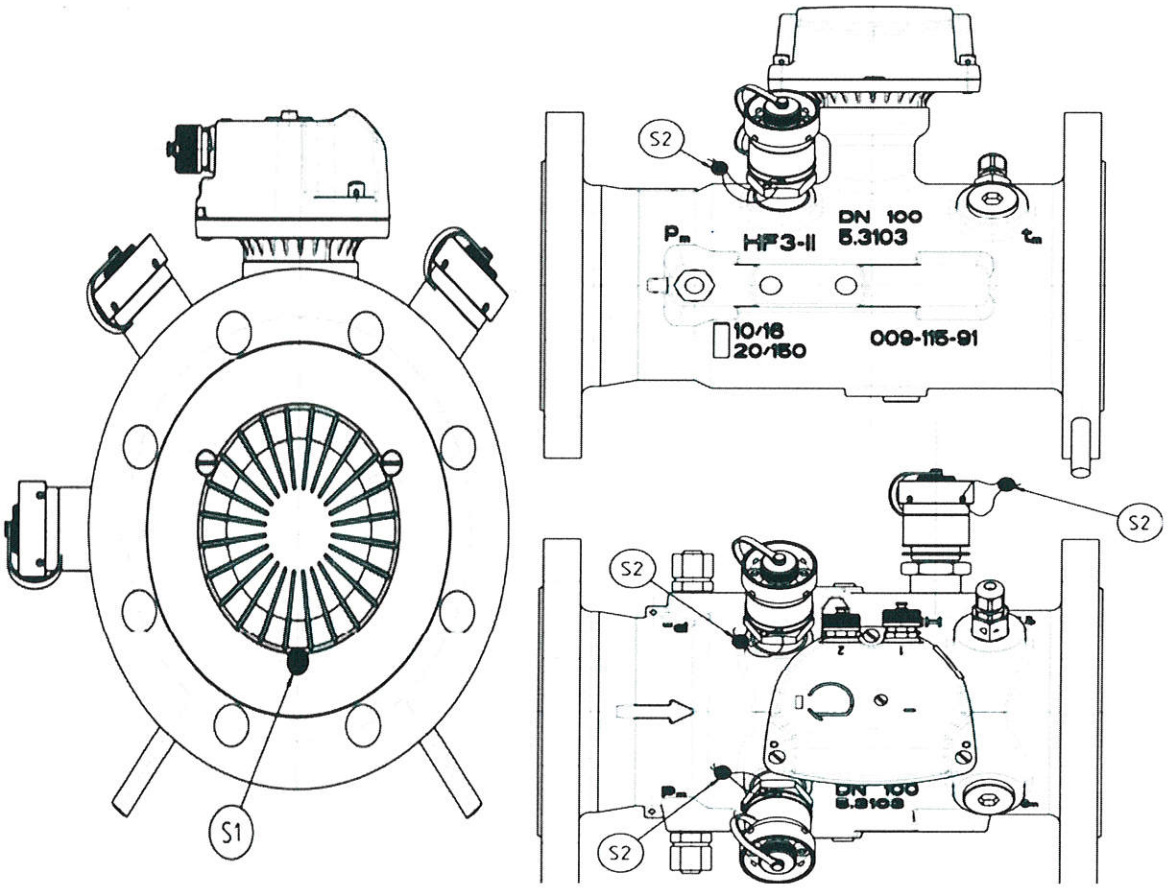
Characteristics of the measuring instrument:

Accuracy Class	1.0
Temperature range	Gas and ambient temperature for devices in operation: -25 °C to 55 °C
Display Type	9 digit mechanical index
Environmental Classes	Mechanical : class M1 Electromagnetic : class E2

Measurement Range:

DN	Q_{max}	Q_{min}		Q_t		M_{max}		Δp	f_r	N
mm	m³/h					Nmm		mbar	Hz	
		1:20	1:30	1:20	1:30	1:20	1:30			
50	100	5	-	20	-	0,2	-	13,2	0,33	2
80	160	8	-	32	-	0.4	-	3,5	0,053	1
80	250	13	8	50	38	0,8	0,4	8,5	0,083	1
80	400	20	13	80	60	0,8	0,4	17,5	0,13	1
100	250	13	-	50	-	0,8	-	2,6	0,083	1
100	400	20	13	80	60	0,8	0,8	7,1	0,13	1
100	650	32	20	130	98	0,8	0,8	14,4	0,22	1
150	650	32	-	130	-	0,8	-	4,1	0,22	1
150	1000	50	32	200	150	0,8	0,8	9,1	0,33	1
150	1600	80	50	320	240	0,8	0,8	7,9	0,53	1
200	1000	50	-	200	-	0,8	-	4,3	0,033	0
200	1600	80	50	320	240	0,8	0,8	8,3	0,053	0
200	2500	130	80	500	375	0,8	0,8	21,1	0,083	0
250	1600	80	-	320	-	0,8	-	2,5	0,053	0
250	2500	130	80	500	375	0,8	0,8	4,9	0,083	0
250	4000	200	130	800	600	0,8	0,8	9,0	0,13	0
300	2500	130	-	500	-	0,8	-	2,4	0,083	0
300	4000	200	130	800	600	0,8	0,8	14,2	0,13	0
300	6500	320	200	1300	975	0,8	0,8	13,1	0,22	0

DN	Q_{max}	Q_{min}		Q_t		M_{max}		Δp	f_r	N
mm	m^3/h					Nmm		mbar	Hz	
		1:20	1:30	1:20	1:30	1:20	1:30			
400	4000	200	-	800	-	0,8	-	2,2	0,13	0
400	6500	320	200	1300	975	0,8	0,8	5,3	0,22	0
400	10000	500	320	2000	1500	0,8	0,8	11,4	0,33	0
500	6500	320	200	1300	975	0,8	0,8	5,3	0,22	0
500	10000	500	320	2000	1500	0,8	0,8	11,4	0,33	0



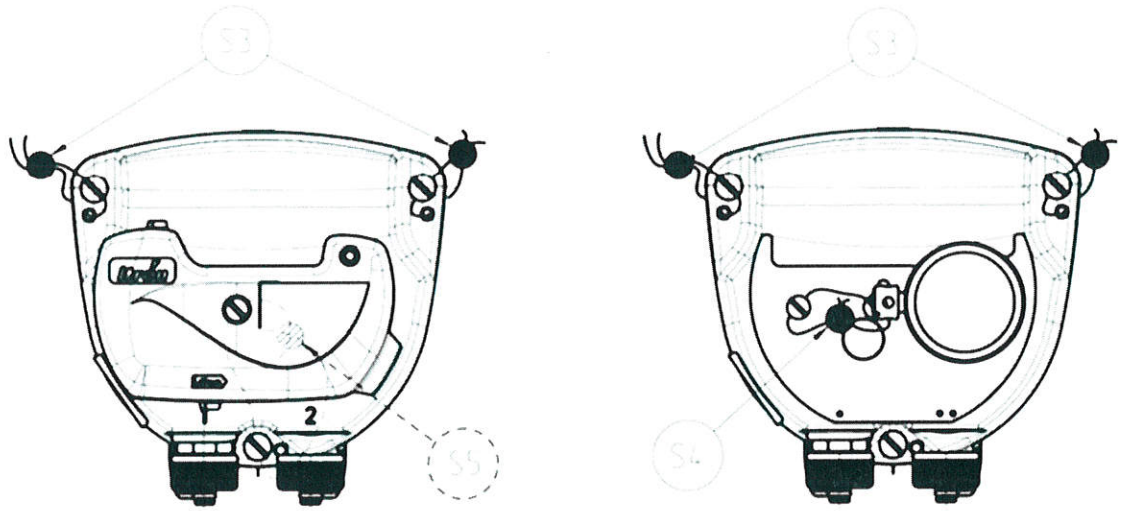


Figure-2

Sealing Provision

The locations of the protection marks as well as the symbol seals used by the manufacturer are as follows:

- The seal of flow straightener S1;
- The seal of HF transmitter HF 2/3 (sealing with each other or with housing) S2;
- The main seal (alternatively one sealing wire with one sealing can be used for both scerws) S3;
- The seal of Mechanical drive S4;
- The seal of Cyble sensor S5.

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

[F.No.I-21/364/2023-W&M Section]

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