



[I-21/101/2024-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-: 09.04.2024

Certificate of Approval of Model/ मॉडल का अनुमोदन प्रमाणपत्र

Whereas the Central Government, after considering the report submitted to it by prescribed authority, 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, as per OIML R 49, the Central Government hereby issues the certificate of approval of water meter for cold potable water and hot water (Ultrasonic Water Meter) of series "UL01-20" and with brand name "SYNEDYNE" (hereinafter referred to as the said model), manufactured by M/s Syneddyne Systems Private Limited, 261, SR Square, SR Circle, Hennagara Road, Off Jigani Road, Bommasandra Industrial Area, Bangalore-560105, Karnataka and which is assigned the approval mark IND/09/24/176 (the picture of the model is given below as Figure 1);

Technical Data:

Working Principle	Volume of water is measured by the ultrasonic flow sensor
Procedure adopted for testing & conformity	OIML R 49
Accuracy class	2
Flow Rates	Q ₁ 0.010 m ³ /h Q ₂ 0.016 m ³ /h Q ₃ 4.0 m ³ /h Q ₄ 5.0 m ³ /h
R= Q ₃ /Q ₁	250
No. of digits	7 (9999.999 m ³)
Nominal Size	20 mm dia
Display	Liquid Crystal Display (LCD)
Power	230V 50 Hz AC / 12VDC

Figure 1

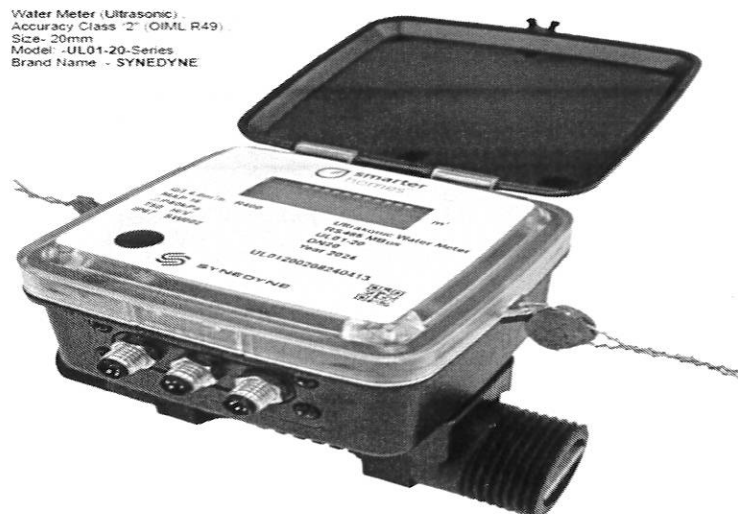




Figure 2

The water meter has a protection devices (DIP) which can be sealed so as to prevent, dismantling or modification of the meter, its adjustment device or its correction device, without damaging the external seal. A typical schematic diagram of sealing provision to prevent the fraudulent practices of the model is given above as Figure 2.

Further, in exercise of the power conferred by sub-rule (9) of rule 8 of the Legal Metrology (Approval of Models) Rules, 2011, the Central Government hereby declares that this certificate of approval of the said model shall also cover the water meters for cold potable water and hot water of similar make, accuracy and performance of same series with nominal size upto 20mm dia manufactured by the same manufacturer in accordance with the same principle, design and with the same materials with which, the said approved model has been manufactured.

[F.No. I-21/101/2024-W&M Section]

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