



[I-21/359/2025-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, New Delhi/कृषि भवन, नई दिल्ली

Dated/दिनांक:- 16.12.2025

Certificate of Approval of Model/ मॉडल का अनुमोदन प्रमाणपत्र

Whereas the Central Government, after considering the report submitted to it by the Fluid Control Research Institute, Palakkad, Kerala, Report No. T60/250686/285, 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 the model of water meter of accuracy class 2 (hereinafter referred to as the said model) of series "Hydromaster" and with brand name "Hydronett Private Limited" manufactured by M/s. Hydronett Private Limited, 200/1, Mahendramedu, Navakarai, Coimbatore, Tamil Nadu-641105 and which is assigned the approval mark IND/09/25/528 (the picture of the model is given below as Figure 1);

#### Technical data:

Type of instrument	Electromagnetic Flow meter
Accuracy class	2
Temperature class	T50
Environment class	O
Electromagnetic environment	E1
Software version	3.5
Checksum-MD5	7554e892d6f546fa1253c1a8174e64d7

#### DN 50

DN Size	50 mm
Flow Rates	Q <sub>1</sub> = 1.000 m <sup>3</sup> /h Q <sub>2</sub> = 1.600 m <sup>3</sup> /h Q <sub>3</sub> = 40.000 m <sup>3</sup> /h Q <sub>4</sub> = 50.000 m <sup>3</sup> /h
Q3/Q1	40
Power supply	90-270 V AC, 50/60 Hz

#### DN 65

DN Size	65 mm
Flow Rates	Q <sub>1</sub> = 1.575 m <sup>3</sup> /h Q <sub>2</sub> = 2.520 m <sup>3</sup> /h Q <sub>3</sub> = 63.000 m <sup>3</sup> /h Q <sub>4</sub> = 78.750 m <sup>3</sup> /h
Q3/Q1	40
Power supply	90-270 V AC, 45/65 Hz

#### DN 80

DN Size	80 mm
Flow Rates	Q <sub>1</sub> = 2.500 m <sup>3</sup> /h Q <sub>2</sub> = 4.000 m <sup>3</sup> /h Q <sub>3</sub> = 100 m <sup>3</sup> /h Q <sub>4</sub> = 125 m <sup>3</sup> /h
Q3/Q1	40
Power supply	90-270 V AC, 50/60 Hz

#### DN100

DN Size	100 mm
Flow Rates	Q <sub>1</sub> = 4.0 m <sup>3</sup> /h Q <sub>2</sub> = 6.4 m <sup>3</sup> /h Q <sub>3</sub> = 160 m <sup>3</sup> /h Q <sub>4</sub> = 200 m <sup>3</sup> /h
Q3/Q1	40
Power supply	90-270 V AC, 50/60 Hz



### DN 125

DN Size	125 mm
Flow Rates	$Q_1 = 6.250 \text{ m}^3/\text{h}$ $Q_2 = 10.000 \text{ m}^3/\text{h}$ $Q_3 = 250.00 \text{ m}^3/\text{h}$ $Q_4 = 312.50 \text{ m}^3/\text{h}$
Q3/Q1	40
Power supply	90-270 V AC, 50/60 Hz

### DN150

DN Size	150 mm
Flow Rates	$Q_1 = 10.00 \text{ m}^3/\text{h}$ $Q_2 = 16.00 \text{ m}^3/\text{h}$ $Q_3 = 400 \text{ m}^3/\text{h}$ $Q_4 = 500 \text{ m}^3/\text{h}$
Q3/Q1	40
Power supply	90-270 V AC, 50/60 Hz

### DN 200

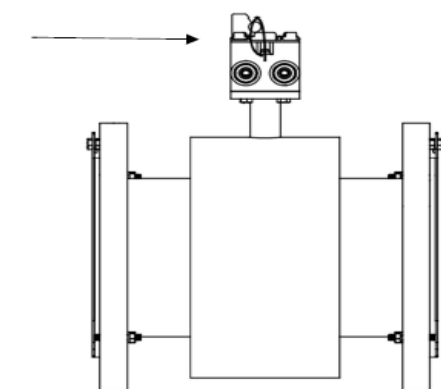
DN Size	200 mm
Flow Rates	$Q_1 = 15.75 \text{ m}^3/\text{h}$ $Q_2 = 25.20 \text{ m}^3/\text{h}$ $Q_3 = 630 \text{ m}^3/\text{h}$ $Q_4 = 787.50 \text{ m}^3/\text{h}$
Q3/Q1	40
Power supply	90-270 V AC, 50/60 Hz

### DN 250

DN Size	250 mm
Flow Rates	$Q_1 = 25 \text{ m}^3/\text{h}$ $Q_2 = 40 \text{ m}^3/\text{h}$ $Q_3 = 1000 \text{ m}^3/\text{h}$ $Q_4 = 1250 \text{ m}^3/\text{h}$
Q3/Q1	40
Power supply	90-270 V AC, 50/60 Hz

Figure-1





Tamper proof

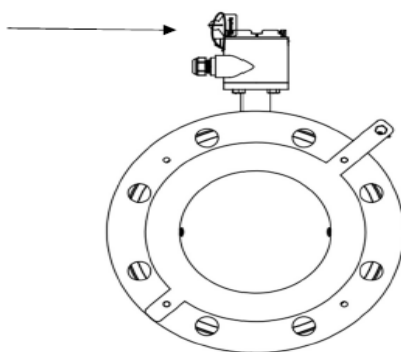


Figure 2

Provision for mechanical sealing is available in the sensor, but not on the transmitter. Electronic sealing is provided in the transmitter. . A typical schematic diagram of sealing provision to prevent the fraudulent practices of the model is given above as Figure 2.

[F.No. I-21/359/2025-W&M Section]



(Ashutosh Agarwal/आशुतोष अग्रवाल)  
Director (Legal Metrology) to Govt. of India/ निदेशक (विधिक माप विज्ञान) भारत सरकार  
Phone/दूरभाष01123389489  
Email/ई-मेल: [dirwm-ca@nic.in](mailto:dirwm-ca@nic.in)

Online Application No.18768