



[I-21/221/2025-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:- 15.10.2025

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 Evaluation Certificate No:- TC12112 revision 0 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 Flow transmitter of type “RHE42”, “RHE45” with brand name “ Rheonik Messtechnik GmbH” intended to be used as a part of a measuring system (hereinafter referred to as the said model) manufactured by M/s Rheonik Messtechnik GmbH, Rudolf Diesel Strasse 5, 85235 Odelzhausen, Germany and imported & marketed in India without any alteration before or after sale by M/s Rheonik Flow Measurement India Pvt. Ltd, 87A, Savli Industrial Estate, Manjusar GIDC, Savli GIDC, Vadodara, Gujarat- 391775 which is assigned the approval mark IND/09/25/408 (the picture of the model is given below as Figure 1);

Figure 1



RHE 42



RHE 45

Technical Data:

Accuracy Class	03;0.5;1.0;1.5;2.5
Ambient temperature range	-40°C to +55°C for RHE42 and RHE45
	-25°C to +55°C for RHE42 if the display is primary indication
Environment classes	M3 / E2 / H3 when powered via 100...240 VAC
	M3 / E3 / H3 when powered via a DC power supply.
Power Supply	The flow transmitter needs to be powered by one of the following external power supplies: - Brand Phoenix Contact Step, type PS/1AC/24DC/0.5. Input voltage 100 ... 240VAC, 50...60Hz. - Brand Pulse, type ML15.241. Input voltage 100 ... 240VAC, 50 ... 60Hz. - Brand Pulse, type CD5.241. Input voltage 24VDC.



Software Versions and Checksum:

Version	Checksum
2.31	0x81F7
2.32	0xA3B4
2.40	0x4D90
2.45	0x308D



RHE42



RHE45

Figure 2

The inscriptions are fixed to the flow transmitter and secured against removal by seal or the inscriptions are made out of self-destructible material. After enabling the security switch, access to the internals of the flow transmitter is prevented via sealing of the lids. A typical schematic diagram of sealing provision to prevent the fraudulent practices of the model is given above as Figure 2

[F.No. I-21/221/2025-W&M Section]



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Online Application No. 23376



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MINISTRY OF CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION
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Krishi Bhawan/कृषि भवन, नई दिल्ली
Dated/दिनांक:- 15.10.2025

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 Test Certificate No:- TC11811 revision 0 issued by NMi Certin B.V. Thijsseweg 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 measuring device (Coriolis Sensor) of type "RHMxx+RHE2x" with brand name " Rheonik" intended to be used as a part of a CG dispenser (hereinafter referred to as the said model) manufactured by M/s Rheonik Messtechnik GmbH, Rudolf Diesel Strasse 5, 85235 Odelzhausen, Germany and imported & marketed in India without any alteration before or after sale by M/s Rheonik Flow Measurement India Pvt. Ltd, 87A, Savli Industrial Estate, Manjusr GIDC, Savli GIDC, Vadodara, Gujarat- 391775 which is assigned the approval mark IND/09/25/ 409 (the picture of the model is given below as Figure 1);

Figure 1



RHMxx



RHE2x

Technical Data:

Accuracy Class	2.0 or 4.0
Maximum operating pressure	1070 bar (g)
Temperature range product:	-40°C to +55°C
Temperature range ambient:	-40°C to +70°C
Environmental classes	M2/E2
Flow	Bi-directional
Power supply	100-240V AC , 50/60Hz, 10.8 to 26.4V DC
Software version	2.06
Checksum	87DB
Destined for the measurement of	Hydrogen (H ₂)



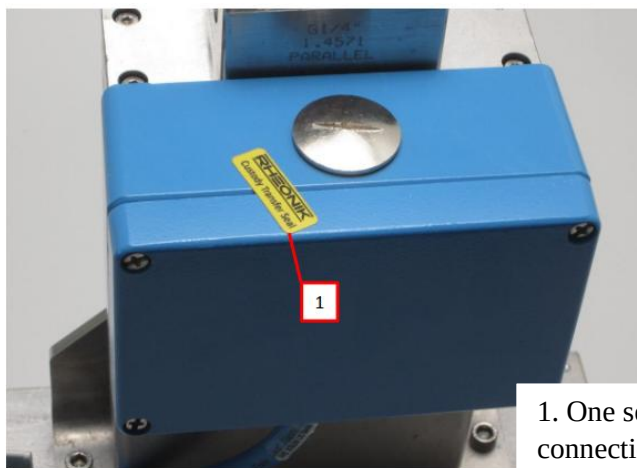
Measuring Range:

Sensor type	Qmin (kg/min)	Qmax (kg/min)	Minimum measured Quantity (kg)
RHM04	0.17	4.17	1
RHM06	0.33	8.33	1
RHM08	0.67	16.67	2
RHM10	1.00	25.00	2
RHM12	1.17	29.17	2
RHM14	1.33	33.33	5

Software Versions and Checksum:

Version 2.06	CRC Checksum 87DB
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Sealing Provision for RHM Sensor



1. One seal to be attached to the connection terminal box cover

Sealing provision of RHE21 Transmitter



1. One seal at the connection enclosure
2. One seal at the connection terminal box cover





Sealing provision of RHE27 Transmitter



1. One seal to be attached to the slot of the Lock switch

Sealing provision of RHE28 Transmitter



1. Seal position

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-21/221/2025-W&M Section]



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LEGAL METROLOGY DIVISION/ विधिक मापविज्ञान प्रभाग

Krishi Bhawan/कृषि भवन, नई दिल्ली

Dated/दिनांक:- 15.10.2025

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 EU Type-examination Certificate No:- DE-19-MI002-PTB003, revision 2 issued by Physikalisch-Technische Bundesanstalt, 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, the Central Government hereby issues the certificate of approval of the model of Gas meter of type "RHM 04/06/08/10/12 with RHE2x" with brand name " Rheonik" (hereinafter referred to as the said model) manufactured by M/s Rheonik Messtechnik GmbH, Rudolf Diesel Strasse 5, 85235 Odelzhausen, Germany and imported & marketed in India without any alteration before or after sale by M/s Rheonik Flow Measurement India Pvt. Ltd, 87A, Savli Industrial Estate, Manjusr GIDC, Savli GIDC, Vadodara, Gujarat- 391775 which is assigned the approval mark IND/09/25/ 410 (the picture of the model is given below as Figure 1);

Valid until 20.08.2029

Figure 1



RHE 21



RHE27



RHE 28

Technical Data:

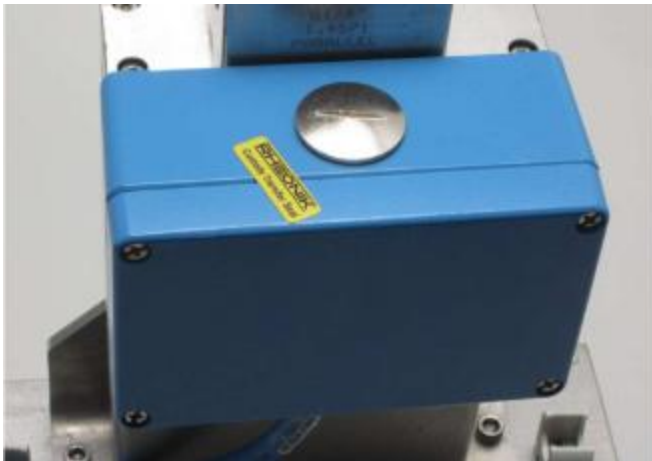
Accuracy class	1.0	
Gas Temperature range T _{gas}	-40°C to +55°C	
Ambient conditions	-40°C to +55°C	
Operating gauge pressure range	Minimum : 50bar , Maximum 1070 bar	
Environment class	M2/E2	
Gas Types	Hydrogen	
Software versions and Checksum	Version	Checksum
	2.06	87DB
	2.32	FA3A
	2.40	C950



Measurement Range:

Sensor type	Qmin (kg/h)	Qt (kg/h)	Qmax (kg/h)
RHM04	10	50	250
RHM06	20	100	500
RHM08	40	200	1000
RHM10	60	300	1500
RHM12	70	350	1750
RHM15	80	400	2000

Sealing Provision for RHM Sensor



Sealing provision of RHE21 Transmitter



1. One seal at the connection enclosure
2. One seal at the connection terminal box cover





Sealing provision of RHE27 Transmitter



1. One seal to be attached to the slot of the Lock switch

Sealing provision of RHE28 Transmitter



1. Seal position

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-21/221/2025-W&M Section]

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Krishi Bhawan/कृषि भवन, नई दिल्ली
Dated/दिनांक:- 15.10.2025

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:- R 139/2018-A-NL1-22.01 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 measurement sensor (Coriolis Sensor) of type "RHM04", "RHM10" with brand name " Rheonik" (hereinafter referred to as the said model) manufactured by M/s Rheonik Messtechnik GmbH, Rudolf Diesel Strasse 5, 85235 Odelzhausen, Germany and imported & marketed in India without any alteration before or after sale by M/s Rheonik Flow Measurement India Pvt. Ltd, 87A, Savli Industrial Estate, Manjusar GIDC, Savli GIDC, Vadodara, Gujarat- 391775 which is assigned the approval mark IND/09/25/411 (the picture of the model is given below as Figure 1);

Figure 1



RHMxx Sensor

Technical Data:

Sensor type	RHM04	RHM10
Qmin(kg/min)	0.17	0.83
Qmax(kg/min)	4.17	8.33
Flow direction	Bi-directional	Bi-directional
Maximum pressure (bar g)	1070	1010
Accuracy class	2.0 or 4.0	
Environmental class	M2/E2	
Ambient Temperature range	-40°C to +70°C; non condensing humidity	
Product temperature range	-40°C to +55°C	
Intended for the measurement of	Hydrogen	



Sealing Provision for RHM Sensor

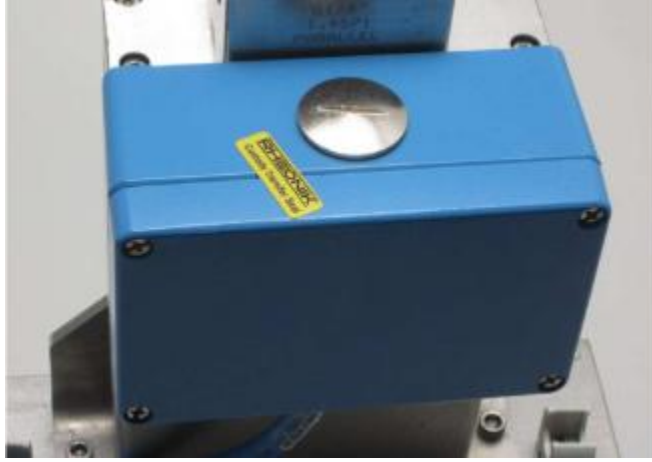


Figure 2

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

[F.No. I-21/221/2025-W&M Section]



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Krishi Bhawan/कृषि भवन, नई दिल्ली

Dated/दिनांक:- 15.10.2025

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Whereas the Central Government, after considering the report submitted to it by prescribed authority, along with the OIML Certificate No:- R 139/2018-A-NL1-22.04 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 measurement transducer (mass flow transmitter for Rheonik Coriolis sensors) of type “RHE42”, “RHE45” with brand name “ Rheonik” (hereinafter referred to as the said model) manufactured by M/s Rheonik Messtechnik GmbH, Rudolf Diesel Strasse 5, 85235 Odelzhausen, Germany and imported & marketed in India without any alteration before or after sale by M/s Rheonik Flow Measurement India Pvt. Ltd, 87A, Savli Industrial Estate, Manjusr GIDC, Savli GIDC, Vadodara, Gujarat- 391775 which is assigned the approval mark IND/09/25/ 412 (the picture of the model is given below as Figure 1);

Figure 1



RHE42



RHE45

Technical Data:

Accuracy class	1.5, 2, 4
Environmental class	M3 / E2 / H3 when powered via 100...240 VAC M3 / E3 / H3 when powered via a DC power supply.
Ambient temperature range	-40 – +55 °C for RHE42 and RHE45 -25 – +55 °C for RHE42 if the display is primary indication
Power supply voltage	12-24 V DC $\pm$ 10% - Brand Phoenix Contact Step, type PS/1AC/24DC/0.5. Input voltage 100 ... 240 VAC, 50 ... 60 Hz. - Brand Pulse, type ML15.241. Input voltage 100 ... 240 VAC, 50 ... 60 Hz. - Brand Pulse, type CD5.241. Input voltage 24 VDC -25% / +35%.
Software Identification	Version number Checksum 2.31 0x81F7 2.32 0xA3B4 2.40 0x4D90 2.46 0x8D95
Intended for the measurement of	Compressed gaseous fuels



RHE42



RHE45

Figure 2

The inscriptions are fixed to the flow transmitter and secured against removal by seal or the inscriptions are made out of self-destructible material. After enabling the security switch, access to the internals of the flow transmitter is prevented via sealing of the lids. A typical schematic diagram of sealing provision to prevent the fraudulent practices of the model is given above as Figure 2

[F.No. I-21/221/2025-W&M Section]



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