Etat Membre de l'OIML
Member State of OIML
FRANCE

LABORATOIRE NATIONAL DE MÉTROLOGIE ET D'ESSAIS

CERTIFICAT OIML

OIML CERTIFICATE

N° R49/2013-A-FR2-22.03 rev.0

Emis sous régime A Issued under scheme A

Autorité de délivrance **Issuing authority**	:	**Laboratoire National de Métrologie et d'Essais** Personne responsable (Person responsible) : Thomas LOMMATZSCH
Demandeur Applicant	:	DIEHL METERING SAS - 67 rue du Rhône BP 10160 FRANCE 68304 ST LOUIS CEDEX
Fabricant Manufacturer	:	DIEHL METERING SAS - 67 rue du Rhône FRA BP 10160 68304 ST LOUIS CEDEX
Identification du type certifié	:	Compteur d'eau DIEHL METERING type B2 / AURIGA
Identification of the certified		Water meter DIEHL METERING type B2 / AURIGA
Caractéristiques Characteristics	:	voir annexe see annex

Ce certificat atteste la conformité du modèle mentionné ci-dessus (représenté par les échantillons identifiés dans les rapports d'essais associés) aux exigences de la Recommandation suivante de l'Organisation Internationale de Métrologie Légale – OIML) :

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test reports with the requirements of the following Recommendation of the International Organization of Legal Metrology – OIML) :

R49/2013 : Water meters for cold potable water and hot water

Ce certificat s'applique uniquement aux caractéristiques métrologiques et techniques du modèle d'instrument concerné, telles que couvertes par la Recommandation Internationale applicable. Ce certificat ne constitue en rien une approbation internationale à caractère légal. Note importante : à part la mention du numéro de référence du certificat avec le nom de l'Etat Membre de l'OIML dans lequel le certificat a été délivré, une reproduction partielle du certificat ou des rapports d'essais associés n'est pas autorisée, mais ils peuvent être reproduits dans leur totalité.

This certificate relates only to the metrological and technical characteristics of the pattern for the concerned instrument, as covered by the relevant OIML International Recommendation. This certificate does not bestow any form of legal international approval. Important note : Apart from the mention of the certificate's reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or the associated test report is not permitted, though they may be reproduced in full.

Les principales caractéristiques figurent dans l'annexe ci-jointe qui fait partie intégrante du certificat OIML de conformité et comprend 11 page(s).

The principal characteristics are set out in the appendix hereto, which forms part of the OIML certificate of conformity and consists of 11 page(s).

cofrac
CERTIFICATION DE PRODUITS ET SERVICES
Accréditation n°5-0012
Portée disponible sur www.cofrac.fr

OIML Certification System

Etabli le 28 novembre 2022
Issued on November 28th, 2022
Autorité de délivrance / Pour Le Directeur Général
Issuing Authority / On behalf of the General Director
THOMAS LOMMATZSCH ID
Signature numérique de THOMAS LOMMATZSCH ID
Thomas LOMMATZSCH
Responsable du Pôle Certification Instrumentation et Technologies de l'Information
Head of the Instrumentation and IT Certification

Référence LNE - 38695 rév. n°0

CIM29_schema_A-V2-09-2022

ANNEXE
ANNEX

CERTIFICAT OIML
OIML CERTIFICATE
N° R49/2013-A-FR2-22.03 rév.0

Identification of the certified pattern : B2 / AURIGA

OIML R 49 EVALUATION REPORT (LNE) : P220056-3

Metrological characteristics

Type	B2
Version	Linear
Indicating device	Plastic G1, glass G1, Plastic IS
Nominal Diameter	15
Body	Brass
Length (mm)	110
Connections	Threads 3/4“
Position	Vertical / horizontal
Permanent flowrate Q_3 (m3/h)	1,6
Overload flowrate Q_4 (m^3/h)	2
Q_3/Q_1 * (horizontal)	125
Q_3/Q_1 * (vertical)	63
Q_2/Q_1	1,6
Indicating range	9 999 ; 99 999
Verification scale interval (dm^3)**	0,020 or 0,050
Cyclical volume (cm^3)	17,8
Temperature class	T30 ; T50 ; T70 ; T90
Maximum admissible pressure (bar)	16
Accuracy class	2
Pressure loss class	Δp63
Flow profile sensitivity class	U0D0
Environmental class	B/O
Climatic environment	+5 … +55°C
Measurement of reverse flow***	no

* Lower values from the OIML R49-1 : 2013 §4.1.4 list are permitted
** In accordance with OIML R49-1 : 2013 §6.7.3.2.3
*** The meter can withstand accidental reverse flow without deterioration or change in its metrological properties for forward flow.

Type	B2
Version	Linear
Indicating device	Plastic G1 / Plastic G1 repulsion / Glass G1 / Glass G1 repulsion / Plastic IS
Nominal Diameter	15
Body	Brass
Length (mm)	165 … 170
Connections	Threads 1/2“, 5/8“, 3/4“, 7/8“, 1“
Position	Vertical / horizontal
Permanent flowrate Q_3 (m3/h)	2,5
Overload flowrate Q_4 (m^3/h)	3,125
Q_3/Q_1 * (horizontal)	160
Q_3/Q_1 * (vertical)	63
Q_2/Q_1	1,6
Indicating range	9 999 ; 99 999
Verification scale interval (dm^3)**	0,020 or 0,050
Cyclical volume (cm^3)	25,8
Temperature class	T30 ; T50
Maximum admissible pressure (bar)	16
Accuracy class	2
Pressure loss class	Δp63
Flow profile sensitivity class	U0D0
Environmental class	B/O
Climatic environment	+5 … +55°C
Measurement of reverse flow***	no

* Lower values from the OIML R49-1 : 2013 §4.1.4 list are permitted
** In accordance with OIML R49-1 : 2013 §6.7.3.2.3
*** The meter can withstand accidental reverse flow without deterioration or change in its metrological properties for forward flow.

Type	B2
Version	Linear
Indicating device	Plastic G1 / Glass G1 / IS
Nominal Diameter	15
Body	Brass
Length (mm)	110 … 115
Connections	Threads 3/4“, 7/8“
Position	Vertical / horizontal
Permanent flowrate Q_3 (m3/h)	2,5
Overload flowrate Q_4 (m^3/h)	3,125
Q_3/Q_1 * (horizontal)	125
Q_3/Q_1 * (vertical)	63
Q_2/Q_1	1,6
Indicating range	9 999 ; 99 999
Verification scale interval (dm^3)**	0,020 or 0,050
Cyclical volume (cm^3)	25,8
Temperature class	T30 ; T50 ; T70 ; T90
Maximum admissible pressure (bar)	16
Accuracy class	2
Pressure loss class	Δp63
Flow profile sensitivity class	U0D0
Environmental class	B/O
Climatic environment	+5 … +55°C
Measurement of reverse flow***	no

* Lower values from the OIML R49-1 : 2013 §4.1.4 list are permitted
** In accordance with OIML R49-1 : 2013 §6.7.3.2.3
*** The meter can withstand accidental reverse flow without deterioration or change in its metrological properties for forward flow.

Type	B2
Version	Linear
Indicating device	Plastic G1 / Glass G1 / Plastic IS
Nominal Diameter	15
Body	Composite
Length (mm)	110…115
Connections	Threads 1/2“, 3/4“, 7/8“, 1"
Position	Vertical / horizontal
Permanent flowrate Q_3 (m3/h)	2,5
Overload flowrate Q_4 (m^3/h)	3,125
Q_3/Q_1 * (horizontal)	125
Q_3/Q_1 * (vertical)	63
Q_2/Q_1	1,6
Indicating range	9 999 ; 99 999
Verification scale interval (dm^3)**	0,020 or 0,050
Cyclical volume (cm^3)	25,8
Temperature class	T30 ; T50
Maximum admissible pressure (bar)	16
Accuracy class	2
Pressure loss class	Δp63
Flow profile sensitivity class	U0D0
Environmental class	B/O
Climatic environment	+5 … +55°C
Measurement of reverse flow***	no

* Lower values from the OIML R49-1 : 2013 §4.1.4 list are permitted
** In accordance with OIML R49-1 : 2013 §6.7.3.2.3
*** The meter can withstand accidental reverse flow without deterioration or change in its metrological properties for forward flow.

Type	B2
Version	Linear
Indicating device	Plastic G1 / Glass G1 / Plastic IS
Nominal Diameter	15
Body	Brass
Length (mm)	80
Connections	Threads 1/2“, 5/8", 3/4“, 7/8“, 1"
Position	Vertical / horizontal
Permanent flowrate Q_3 (m3/h)	2,5
Overload flowrate Q_4 (m^3/h)	3,125
Q_3/Q_1 * (horizontal)	100
Q_3/Q_1 * (vertical)	40
Q_2/Q_1	1,6
Indicating range	9 999 ; 99 999
Verification scale interval (dm^3)**	0,020 or 0,050
Cyclical volume (cm^3)	29
Temperature class	T30 ; T50 ; T70; T30/90; T90
Maximum admissible pressure (bar)	16
Accuracy class	2
Pressure loss class	Δp63
Flow profile sensitivity class	U0D0
Environmental class	B/O
Climatic environment	+5 … +55°C
Measurement of reverse flow***	no

* Lower values from the OIML R49-1 : 2013 §4.1.4 list are permitted
** In accordance with OIML R49-1 : 2013 §6.7.3.2.3
*** The meter can withstand accidental reverse flow without deterioration or change in its metrological properties for forward flow.

Type	B2
Version	Linear
Indicating device	Plastic G1 / Glass G1
Nominal Diameter	20
Body	Brass
Length (mm)	115…130
Connections	Threads 1“
Position	Vertical / horizontal
Permanent flowrate Q_3 (m3/h)	4
Overload flowrate Q_4 (m^3/h)	5
Q_3/Q_1 * (horizontal)	125
Q_3/Q_1 * (vertical)	63
Q_2/Q_1	1,6
Indicating range	9 999 ; 99 999
Verification scale interval (dm^3)**	0,020 or 0,050
Cyclical volume (cm^3)	37
Temperature class	T30 ; T50 ; T70; T90
Maximum admissible pressure (bar)	16
Accuracy class	2
Pressure loss class	Δp63
Flow profile sensitivity class	U0D0
Environmental class	B/O
Climatic environment	+5 … +55°C
Measurement of reverse flow***	no

* Lower values from the OIML R49-1 : 2013 §4.1.4 list are permitted
** In accordance with OIML R49-1 : 2013 §6.7.3.2.3
*** The meter can withstand accidental reverse flow without deterioration or change in its metrological properties for forward flow.

Type	B2
Version	Linear
Indicating device	Plastic G1 / Plastic G1 repulsion / Glass G1 / Glass G1 repulsion
Nominal Diameter	20
Body	Brass
Length (mm)	190
Connections	Threads 3/4“, 7/8“, 1“,1“1/4
Position	Vertical / horizontal
Permanent flowrate Q_3 (m3/h)	4
Overload flowrate Q_4 (m^3/h)	5
Q_3/Q_1 * (horizontal)	160
Q_3/Q_1 * (vertical)	63
Q_2/Q_1	1,6
Indicating range	9 999 ; 99 999
Verification scale interval (dm^3)**	0,020 or 0,050
Cyclical volume (cm^3)	38,1
Temperature class	T30 ; T50
Maximum admissible pressure (bar)	16
Accuracy class	2
Pressure loss class	Δp63
Flow profile sensitivity class	U0D0
Environmental class	B/O
Climatic environment	+5 … +55°C
Measurement of reverse flow***	no

* Lower values from the OIML R49-1 : 2013 §4.1.4 list are permitted
** In accordance with OIML R49-1 : 2013 §6.7.3.2.3
*** The meter can withstand accidental reverse flow without deterioration or change in its metrological properties for forward flow.

Type	B2
Version	Linear
Indicating device	Plastic G1 repulsion / Glass G1 repulsion
Nominal Diameter	25
Body	Brass
Length (mm)	260
Connections	Threads 1“1/4
Position	Vertical / horizontal
Permanent flowrate Q_3 (m3/h)	6,3
Overload flowrate Q_4 (m^3/h)	7,875
Q_3/Q_1 * (horizontal)	200
Q_3/Q_1 * (vertical)	80
Q_2/Q_1	1,6
Indicating range	9 999 ; 99 999
Verification scale interval (dm^3)**	0,020 or 0,050
Cyclical volume (cm^3)	57,5
Temperature class	T30 ; T50
Maximum admissible pressure (bar)	16
Accuracy class	2
Pressure loss class	Δp63
Flow profile sensitivity class	U0D0
Environmental class	B/O
Climatic environment	+5 … +55°C
Measurement of reverse flow***	no

* Lower values from the OIML R49-1 : 2013 §4.1.4 list are permitted
** In accordance with OIML R49-1 : 2013 §6.7.3.2.3
*** The meter can withstand accidental reverse flow without deterioration or change in its metrological properties for forward flow.

Type	B2
Version	Linear
Indicating device	Plastic G1 repulsion / Glass G1 repulsion
Nominal Diameter	32
Body	Brass
Length (mm)	260
Connections	Threads 1“1/2
Position	Vertical / horizontal
Permanent flowrate Q_3 (m3/h)	10
Overload flowrate Q_4 (m^3/h)	12,5
Q_3/Q_1 * (horizontal)	200
Q_3/Q_1 * (vertical)	80
Q_2/Q_1	1,6
Indicating range	9 999 ; 99 999
Verification scale interval (dm^3)**	0,020 or 0,050
Cyclical volume (cm^3)	82
Temperature class	T30 ; T50
Maximum admissible pressure (bar)	16
Accuracy class	2
Pressure loss class	Δp63
Flow profile sensitivity class	U0D0
Environmental class	B/O
Climatic environment	+5 … +55°C
Measurement of reverse flow***	no

* Lower values from the OIML R49-1 : 2013 §4.1.4 list are permitted
** In accordance with OIML R49-1 : 2013 §6.7.3.2.3
*** The meter can withstand accidental reverse flow without deterioration or change in its metrological properties for forward flow.

Type	B2
Version	Linear
Indicating device	Plastic G1 repulsion / Glass G1 repulsion
Nominal Diameter	40
Body	Brass
Length (mm)	300
Connections	Threads 2“
Position	Vertical / horizontal
Permanent flowrate Q_3 (m3/h)	16
Overload flowrate Q_4 (m^3/h)	20
Q_3/Q_1 * (horizontal)	200
Q_3/Q_1 * (vertical)	80
Q_2/Q_1	1,6
Indicating range	9 999 ; 99 999
Verification scale interval (dm^3)**	0,020 or 0,050
Cyclical volume (cm^3)	139
Temperature class	T30 ; T50
Maximum admissible pressure (bar)	16
Accuracy class	2
Pressure loss class	Δp63
Flow profile sensitivity class	U0D0
Environmental class	B/O
Climatic environment	+5 … +55°C
Measurement of reverse flow***	no

* Lower values from the OIML R49-1 : 2013 §4.1.4 list are permitted
** In accordance with OIML R49-1 : 2013 §6.7.3.2.3
*** The meter can withstand accidental reverse flow without deterioration or change in its metrological properties for forward flow.

Pictures
Actual meter name and presentation may differ. Legal markings may differ according to local regulation.

Water meter Diehl metering type B2
DN15 hot and cold water

Water meter Diehl metering type B2
DN 20