

MNK-N

Multi-jet wet dial meters for cold water

MNK-N is an MID compliant water meter for service connection.

The current level of development guarantees the most precise measurement results, minimum bearing load and a long service life.

The meter is equipped with a reed switch interface as standard.

The interface enables remote reading of the meter data via PDC radio module with LoRaWAN® or wM-Bus.



Performance characteristics at a glance

- Multi-jet wet dial meter
- For horizontal and vertical (riser / downpipe) installation, on request also available with a special riser / downpipe housing
- All materials, which are used in the drinking water section, comply with the required standards, guidelines and the current German drinking water approval (other country-specific drinking water approvals on request)
- Register cap made of high-quality UV-resistant polymer plastic
- Brass body according to UBA (Federal Environment Office) list
- Operating pressure MAP 16
- Approved in accordance with MID

Applications

- For consumption measuring of drinking water and unpolluted service water up to 50 °C

AMR options

- Can be retrofitted with PDC module (PulseDataCapture):
 - PDC- wireless M-Bus radio module (868 MHz)
 - PDC - LPWAN radio module for LoRaWAN®
- Retrofittable with mechanical reed-switch:
 - Standard pulse valve 10 l/pulse

MKN-N

Technical data								Riser / Down
Permanent Flowrate	Q ₃	m ³ /h	2.5	2.5	2.5	2.5	2.5	2.5
Comparable to permanent flowrate (EEC)	Q _n	m ³ /h	1.5	1.5	1.5	1.5	1.5	1.5
Attainable measuring range ¹	Q ₃ /Q ₁	R	200H/50V	200H/50V	200H/50V	200H/50V	200H/50V	200H
Comparable to metrological class (EEC)	Class	-	C-H/A-V	C-H/A-V	C-H/A-V	C-H/A-V	C-H/A-V	C-H
Overload Flowrate ²	Q ₄	m ³ /h	3.13	3.13	3.13	3.13	3.13	3.13
Transitional Flowrate ²	Q ₂	l/h	80H/101V	80H/101V	80H/101V	80H/101V	80H/101V	49.6
Minimum flow ²	Q ₁	l/h	31H/63V	31H/63V	31H/63V	31H/63V	31H/63V	31
Start-up flow rate	-	l/h	<4	<4	<4	<4	<4	<4
Display	min.	l	0.1	0.1	0.1	0.1	0.1	0.1
	max.	m ³	99999	99999	99999	99999	99999	99999
Temperature range	-	°C	0.1 - 50	0.1 - 50	0.1 - 50	0.1 - 50	0.1 - 50	0.1 - 50
Operating pressure	MAP	bar	0.3 - 16	0.3 - 16	0.3 - 16	0.3 - 16	0.3 - 16	16
Pulse value (Reed pulser or PDC)	-	l/pulse	10/100	10/100	10/100	10/100	10/100	10/100
Pressure loss class at Q ₃	Δp	bar	Δ0.63	Δ0.63	Δ0.63	Δ0.63	Δ0.63	Δ0.63
Mechanical environmental condition	-	-	M1	M1	M1	M1	M1	M1
Climatic condition ³	-	°C	5 - 55	5 - 55	5 - 55	5 - 55	5 - 55	5 - 55
Flow profile sensitivity	-	-	U0/D0	U0/D0	U0/D0	U0/D0	U0/D0	U0/D0

Weight and dimensions:

Nominal diameter	DN	mm	15	15	20	20	25	20
		inch	½"	½"	¾"	¾"	1"	¾"
Overall length without connectors ¹	L2	mm	110	165/170	130	190	175	105
Overall length with connectors	L1	mm	190	245/250	226	286	255	201
Thread meter G x B	D1	inch	¾"	¾"	1"	1"	1 ¼"	1"
Thread connector R x	D2	inch	½"	½"	¾"	¾"	1"	¾"
Width approx.	B	mm	95	95	95	95	95	95
Height approx.	H1	mm	125	125	125	125	125	140
	H2	mm	~30	~35	~25	~25	~35	---
Weight ca.	-	kg	1.2	1.3	1.3	1.45	1.8	1.7

¹Other measuring ranges (R) and overall lengths on request

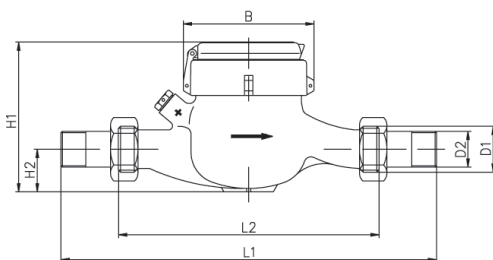
²The data refers to the standard measuring range

³Condensation possible

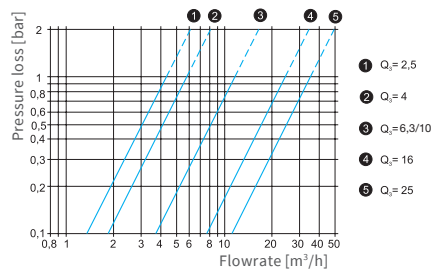
⁴Only for horizontal installation

⁵Flange according to ISO 7005-2 / EN 1092-2

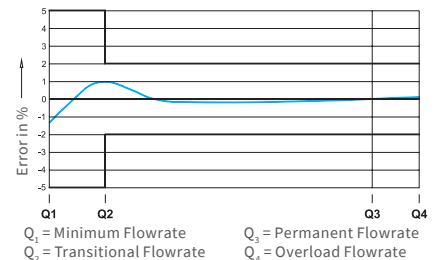
Attention: not all versions are available in all markets



Dimensions



Typical pressure loss curve



Typical error curve

MKN-N

Technical data							Riser / Down
Permanent Flowrate	Q ₃	m ³ /h	4	4	4	4	4
Comparable to permanent flowrate (EEC)	Q _n	m ³ /h	2.5	2.5	2.5	2.5	2.5
Attainable measuring range ¹	Q ₃ /Q ₁	R	200H/80V	200H/80V	200H/80V	200H/80V	200H
Comparable to metrological class (EEC)	Class	-	C-H/B-V	C-H/B-V	C-H/B-V	C-H/B-V	C-H
Overload Flowrate ²	Q ₄	m ³ /h	5	5	5	5	5
Transitional Flowrate ²	Q ₂	l/h	80H/160V	80H/160V	80H/160V	80H/160V	80
Minimum flow ²	Q ₁	l/h	50H/100V	50H/100V	50H/100V	50H/100V	50
Start-up flow rate	-	l/h	<5	<5	<5	<5	<5
Display	min.	l	0.1	0.1	0.1	0.1	0.1
	max.	m ³	99999	99999	99999	99999	99999
Temperature range	-	°C	0.1 - 50	0.1 - 50	0.1 - 50	0.1 - 50	0.1 - 50
Operating pressure	MAP	bar	0.3 - 16	0.3 - 16	0.3 - 16	0.3 - 16	16
Pulse value (Reed pulser or PDC)	-	l/pulse	10/100	10/100	10/100	10/100	10/100
Pressure loss class at Q ₃	Δp	bar	Δ0.63	Δ0.63	Δ0.63	Δ0.63	Δ0.63
Mechanical environmental condition	-	-	M1	M1	M1	M1	M1
Climatic condition ³	-	°C	5 - 55	5 - 55	5 - 55	5 - 55	5 - 55
Flow profile sensitivity	-	-	U0/D0	U0/D0	U0/D0	U0/D0	U0/D0

Weight and dimensions:

Nominal diameter	DN	mm	20	20	20	25	20
		inch	¾"	¾"	¾"	1"	¾"
Overall length without connectors ¹	L2	mm	130	165/190	220	175	105
Overall length with connectors	L1	mm	226	261/286	316	293	201
Thread meter G x B	D1	inch	1"	1"	1"	1 ¼"	1"
Thread connector R x	D2	inch	¾"	¾"	¾"	1"	¾"
Width approx.	B	mm	95	95	95	95	95
Height approx.	H1	mm	125	125	125	125	140
	H2	mm	~25	~25	~35	~40	---
Weight ca.	-	kg	1.3	1.4/1.45	1.6	1.7	1.7

¹Other measuring ranges (R) and overall lengths on request

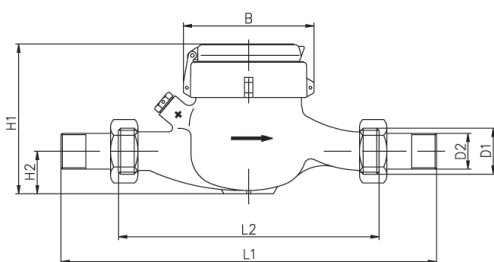
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³Condensation possible

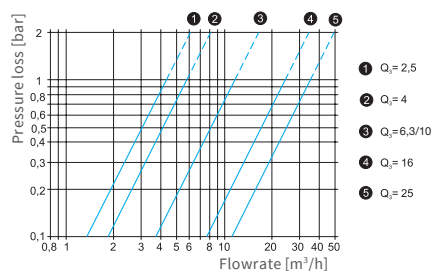
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⁵Flange according to ISO 7005-2 / EN 1092-2

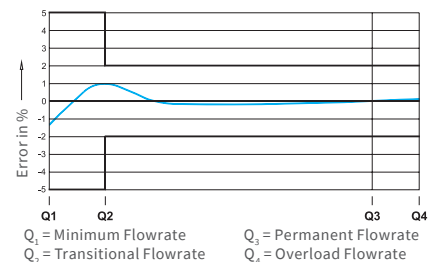
Attention: not all versions are available in all markets



Dimensions



Typical pressure loss curve



Typical error curve

MKN-N

Technical data				Riser			
Permanent Flowrate	Q ₃	m ³ /h	6.3	10	10	10	16
Comparable to permanent flowrate (EEC)	Q _n	m ³ /h	3.5	6	6	6	10
Attainable measuring range ¹	Q ₃ /Q ₁	R	200H/80V	200H/80V	200H/80V	200H	200H/63V
Comparable to metrological class (EEC)	Class	-	C-H/B-V	C-H/B-V	C-H/B-V	C-H	C-H/A-V
Overload Flowrate ²	Q ₄	m ³ /h	7.88	12.5	12.5	12.5	20
Transitional Flowrate ²	Q ₂	l/h	128H/253V	200H/400V	200H/400V	200	320H/640V
Minimum flow ²	Q ₁	l/h	80H/158V	125H/250V	125H/250V	125	200H/400V
Start-up flow rate	-	l/h	<10	<10	<10	<10	<20
Display	min.	l	0.1	0.1	0.1	0.1	0.1
	max.	m ³	99999	99999	99999	99999	99999
Temperature range	-	°C	0.1 - 50	0.1 - 50	0.1 - 50	0.1 - 50	0.1 - 50
Operating pressure	MAP	bar	0.3 - 16	0.3 - 16	0.3 - 16	16	0.3 - 16
Pulse value (Reed pulser or PDC)	-	l/pulse	10/100	10/100	10/100	10/100	10/100
Pressure loss class at Q ₃	Δp	bar	Δ0.63	Δ0.63	Δ0.63	Δ0.63	Δ0.63
Mechanical environmental condition	-	-	M2	M2	M2	M2	M2
Climatic condition ³	-	°C	5 - 55	5 - 55	5 - 55	5 - 55	5 - 55
Flow profile sensitivity	-	-	U0/D0	U0/D0	U0/D0	U0/D0	U0/D0

Weight and dimensions:

Nominal diameter	DN	mm	25	25	32	25	40
		inch	1"	1"	1 ¼"	1"	1 ½"
Overall length without connectors ¹	L2	mm	175/260	175/260	260	150	300
Overall length with connectors	L1	mm	293/378	293/378	384	268	428
Thread meter G x B	D1	inch	1 ¼"	1 ¼"	1 ½"	1 ¼"	2"
Thread connector R x	D2	inch	1"	1"	1 ¼"	1"	1 ½"
Width approx.	B	mm	95	95	95	95	110
Height approx.	H1	mm	125	125	125	160	150
	H2	mm	~40	~40	~40	---	~50
Weight ca.	-	kg	1.7/2.1	1.7/2.1	2.2	2.6	3.6

¹Other measuring ranges (R) and overall lengths on request

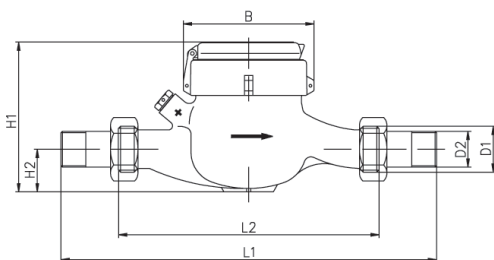
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³Condensation possible

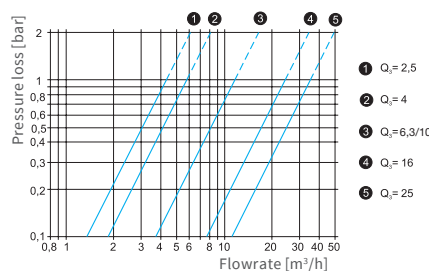
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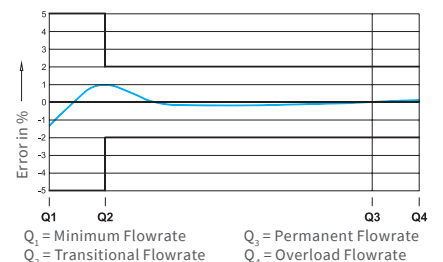
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Dimensions



Typical pressure loss curve



Typical error curve

MKN-N

Technical data			Riser				
Permanent Flowrate	Q ₃	m ³ /h	16	16	25 ⁴	25 ⁴	25 ⁴
Comparable to permanent flowrate (EEC)	Q _n	m ³ /h	10	10	15	15	15
Attainable measuring range ¹	Q ₃ /Q ₁	R	200H/63V	200H	160H	160H	160H
Comparable to metrological class (EEC)	Class	-	C-H/A-V	C-H	C-H	C-H	C-H
Overload Flowrate ²	Q ₄	m ³ /h	20	20	31.3	31.3	31.3
Transitional Flowrate ²	Q ₂	l/h	320H/640V	320	501H	501H	501H
Minimum flow ²	Q ₁	l/h	200H/400V	200	313H	313H	313H
Start-up flow rate	-	l/h	<20	<20	<25	<25	<25
Display	min.	l	0.1	0.1	0.1	0.1	0.1
	max.	m ³	99999	99999	99999	99999	99999
Temperature range	-	°C	0.1 - 50	0.1 - 50	0.1 - 50	0.1 - 50	0.1 - 50
Operating pressure	MAP	bar	0.3 - 16	16	0.3 - 16	0.3 - 16	0.3 - 16
Pulse value (Reed pulser or PDC)	-	l/pulse	10/100	10/100	10/100	10/100	10/100
Pressure loss class at Q ₃	Δp	bar	Δ0.63	Δ0.63	Δ0.63	Δ0.63	Δ0.63
Mechanical environmental condition	-	-	M2	M2	M2	M2	M2
Climatic condition ³	-	°C	5 - 55	5 - 55	5 - 55	5 - 55	5 - 55
Flow profile sensitivity	-	-	U0/D0	U0/D0	U0/D0	U0/D0	U0/D0

Weight and dimensions:

Nominal diameter	DN	mm	40	40	50	50	50
		inch	1 1/2"	1 1/2"	2"	2"	2"
Overall length without connectors ¹	L2	mm	270	150/200	270/300	270	300
Overall length with connectors	L1	mm	---	278/328	414/444	---	---
Thread meter G x B	D1	inch	Flange ⁵	2"	2 1/2"	Flange ⁵	Flange ⁵
Thread connector R x	D2	inch	---	1 1/2"	2"	---	---
Width approx.	B	mm	110	110	110	110	110
Height approx.	H1	mm	165	165	150	170	170
	H2	mm	~70	---	~60	~75	~75
Weight ca.	-	kg	7.5	4.1/4.3	3.8/4.0	8.8	9

¹Other measuring ranges (r) and overall lengths on request

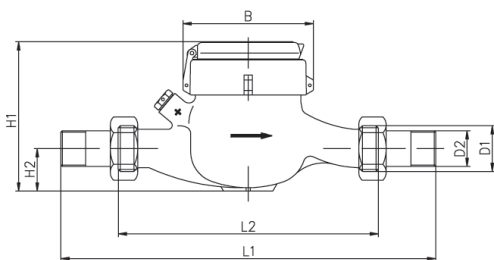
²The data refers to the standard measuring range

³Condensation possible

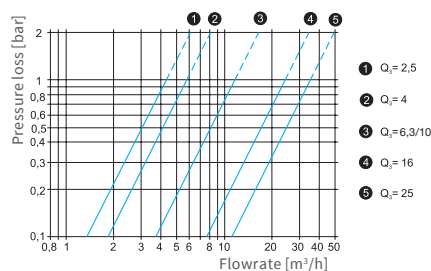
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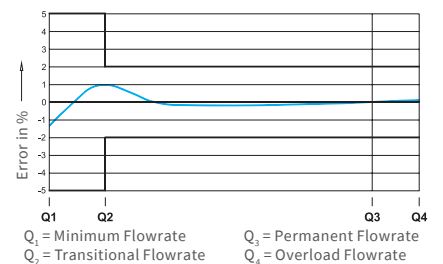
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Dimensions



Typical pressure loss curve



Typical error curve

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KONFORMITÄTSERKLÄRUNG / DECLARATION OF CONFORMITY / DECLARATION DE CONFORMITE / DECLARACIÓN DE CONFORMIDAD

gemäß der Richtlinie 2014/32/EU des Europäischen Parlaments und des Rates vom 26. Februar 2014 über Messgeräte
according to the directive 2014/32/EU of the European Parliament and of the Council of 26 February 2014 on measuring instruments
selon la directive 2014/32/EU du Parlement Européen et du Conseil du 26 février 2014 sur les instruments de mesure
según la directiva 2014/32/EU:26.02.2014 de la Unión Europea



Wir, die Firma



We, the company



Nous, société



Nosotros, la compañía

ZENNER International GmbH & Co. KG, Heinrich-Barth-Straße 29, D-66115 Saarbrücken

erklären hiermit in alleiniger Verantwortung, dass die Produkte

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 2,5

mit der Prüfbescheinigungs-Nr.
DE-06-MI001-PTB005

den Anforderungen der Richtlinie 2014/32/EU entsprechen, die dort für diese Messgeräteart beschrieben sind.

Konformitätsbewertungsstelle (Notifizierte Stelle)
Modul B + D Physikalisch-Technische Bundesanstalt
PTB – Kennnummer 0102

QS-Zertifikatnummer:
DE-M-AQ-PTB010

Angewendete Normen:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

declare on our own responsibility, that the products

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 2.5

with the examination certificate no.
DE-06-MI001-PTB005

meet the standards of the directive 2014/32/EU which applies for this kind of measurement devices.

Conformity assessment body (Notified Body) module B + D
The PTB (Physikalisch Technische Bundesanstalt, the German national test authority) – Identification number 0102

QS-certificate number:
DE-M-AQ-PTB010

Applied standards:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

déclarons par la présente sous notre responsabilité unique que les produits

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 2,5

avec le numéro d'examen
DE-06-MI001-PTB005

respectent les standards de la directive 2014/32/EU relative à ce type d'appareils de mesure.

Organisme d'homologation (Organisme notifié) Module B + D
Institut fédéral de physique PTB – Numéro d'identification 0102

QS-numéro de certificat:
DE-M-AQ-PTB010

Standards appliqués:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

declaramos bajo nuestra sola responsabilidad, que los productos

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 2,5

con el certificado de examen no.
DE-06-MI001-PTB005

cumplen con los requisitos de la directiva 2014/32/EU, aplicable a esta clase de instrumentos de medida.

Organismo para la evaluación de la conformidad (organismo designado) módulos B + D
La PTB (Physikalisch Technische Bundesanstalt, Oficina federal de metrología alemana) – Número de identificación 0102

QS-número del certificado:
DE-M-AQ-PTB010

Normas aplicadas:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

Saarbrücken, 01.04.2022

Alexander Lehmann, General Manager

DEKLARACJA ZGODNOŚCI / MEGFELELŐSÉGI NYILATKOZAT / DICHIARAZIONE DI CONFORMITÀ / DECLARAȚIE DE CONFORMITATE

zgodnie z dyrektywą 2014/32/EU:26.02.2014 Unii Europejskiej
az Európai Parlament és Tanács 2014. február 26-i, 2014/32/EU mérőműszerekről szóló irányelve szerint
in base alla direttiva 2014/32 / UE del Parlamento Europeo e del Consiglio, del 26 Febbraio 2014, relativa agli strumenti di misura
conform directivei 2014/32/UE a Parlamentului European și a Consiliului din 26 februarie 2014 privind instrumentele de măsurare



My, spółka



Mi, a vállalat



Noi, la società



Noi, firma

ZENNER International GmbH & Co. KG, Heinrich-Barth-Straße 29, D-66115 Saarbrücken

deklarujemy na naszą pełną odpowiedzialność, że
produkty

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 2,5

z numerem certyfikatu
DE-06-MI001-PTB005

są zgodne z postanowieniami Dyrektywy Unii Euro-
pejskiej nr 2014/32/EU, w której opisano tego rodzaju
urządzenia pomiarowe.

Organ oceny zgodności (Jednostka Notyfikowana)
Moduł B + D

Physikalisch-Technische Bundesanstalt PTB, Federal-
ny Urząd Fizyczno-Techniczny – Numer identyfikacyj-
ny 0102

QS-numer certyfikatu:
DE-M-AQ-PTB010

Zastosowane normy:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

saját felelősségünkre kijelentjük, hogy a

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 2,5

termék
DE-06-MI001-PTB005 sz.
vizsgálati tanúsítvánnyal

megfelel a 2014/32/EU irányelv szabványainak, ame-
lyek erre a mérőműszer fajtára vonatkoznak.

Megfelelőség-értékelő testület (Bejelentett Szervezet)
B + D modul PTB (Fizikai-Műszaki Szövetség Intézet,
a német nemzeti tesztlő hatóság) – Azonosítószám
0102

QS-Tanúsítvány száma:
DE-M-AQ-PTB010

Alkalmazott szabványok:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

dichiariamo in esclusiva responsabilità che i prodotti

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 2,5

con il certificato di esame n.
DE-06-MI001-PTB005

soddisfano gli standard della direttiva 2014/32 / UE
che si applica per questo tipo di dispositivi di misura-
zione.

Organismo di valutazione della conformità (Organismo
Notificato) modulo B + D II PTB (Physikalisch Techni-
sche Bundesanstalt, la autorità nazionale Tedesca di
controllo) - numero di identificazione 0102

Certificato QS numero:
DE-M-AQ-PTB010

Standard applicati:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

declarăm pe propria răspundere faptul că produsele
(contoare de apă)

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 2,5

cu certificatul de examinare nr.
DE-06-MI001-PTB005

îndeplinesc standardele directivei 2014/32/UE, care se
aplică pentru acest tip de aparat de măsurare.

Organismul de certificare a modului B + D: PTB
(Physikalisch Technische Bundesanstalt, autoritatea
națională germană de testare) – număr de identificare
0102.

Număr QS certificat:
DE-M-AQ-PTB010

Standarde aplicate:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

Saarbrücken, 01.04.2022

Alexander Lehmann, General Manager

KONFORMITÄTSERKLÄRUNG / DECLARATION OF CONFORMITY / DECLARATION DE CONFORMITE / DECLARACIÓN DE CONFORMIDAD

gemäß der Richtlinie 2014/32/EU des Europäischen Parlaments und des Rates vom 26. Februar 2014 über Messgeräte
according to the directive 2014/32/EU of the European Parliament and of the Council of 26 February 2014 on measuring instruments
selon la directive 2014/32/EU du Parlement Européen et du Conseil du 26 février 2014 sur les instruments de mesure
según la directiva 2014/32/EU:26.02.2014 de la Unión Europea



Wir, die Firma



We, the company



Nous, société



Nosotros, la compañía

ZENNER International GmbH & Co. KG, Heinrich-Barth-Straße 29, D-66115 Saarbrücken

erklären hiermit in alleiniger Verantwortung, dass die Produkte

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 6,3 / 10 / 16 / 25

mit der Prüfbescheinigungs-Nr.
DE-07-MI001-PTB009

den Anforderungen der Richtlinie 2014/32/EU entsprechen, die dort für diese Messgeräteart beschrieben sind.

Konformitätsbewertungsstelle (Notifizierte Stelle)
Modul B + D Physikalisch-Technische Bundesanstalt
PTB – Kennnummer 0102

QS-Zertifikatnummer:
DE-M-AQ-PTB010

Angewendete Normen:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

declare on our own responsibility, that the products

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 6.3 / 10 / 16 / 25

with the examination certificate no.
DE-07-MI001-PTB009

meet the standards of the directive 2014/32/EU which applies for this kind of measurement devices.

Conformity assessment body (Notified Body) module B + D
The PTB (Physikalisch Technische Bundesanstalt, the German national test authority) – Identification number 0102

QS-certificate number:
DE-M-AQ-PTB010

Applied standards:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

déclarons par la présente sous notre responsabilité unique que les produits

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 6,3 / 10 / 16 / 25

avec le numéro d'examen
DE-07-MI001-PTB009

respectent les standards de la directive 2014/32/EU relative à ce type d'appareils de mesure.

Organisme d'homologation (Organisme notifié) Module B + D
Institut fédéral de physique PTB – Numéro d'identification 0102

QS-numéro de certificat:
DE-M-AQ-PTB010

Standards appliqués:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

declaramos bajo nuestra sola responsabilidad, que los productos

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 6,3 / 10 / 16 / 25

con el certificado de examen no.
DE-07-MI001-PTB009

cumplen con los requisitos de la directiva 2014/32/EU, aplicable a esta clase de instrumentos de medida.

Organismo para la evaluación de la conformidad (organismo designado) módulos B + D
La PTB (Physikalisch Technische Bundesanstalt, Oficina federal de metrología alemana) – Número de identificación 0102

QS-número del certificado:
DE-M-AQ-PTB010

Normas aplicadas:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

Saarbrücken, 01.04.2022

Alexander Lehmann, General Manager

DEKLARACJA ZGODNOŚCI / MEGFELELŐSÉGI NYILATKOZAT / DICHIARAZIONE DI CONFORMITÀ / DECLARAȚIE DE CONFORMITATE

zgodnie z dyrektywą 2014/32/EU:26.02.2014 Unii Europejskiej
az Európai Parlament és Tanács 2014. február 26-i, 2014/32/EU mérőműszerekről szóló irányelve szerint
in base alla direttiva 2014/32 / UE del Parlamento Europeo e del Consiglio, del 26 Febbraio 2014, relativa agli strumenti di misura
conform directivei 2014/32/UE a Parlamentului European și a Consiliului din 26 februarie 2014 privind instrumentele de măsurare



My, spółka



Mi, a vállalat



Noi, la società



Noi, firma

ZENNER International GmbH & Co. KG, Heinrich-Barth-Straße 29, D-66115 Saarbrücken

deklarujemy na naszą pełną odpowiedzialność, że produkty

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 6,3 / 10 / 16 / 25

z numerem certyfikatu
DE-07-MI001-PTB009

są zgodne z postanowieniami Dyrektywy Unii Europejskiej nr 2014/32/EU, w której opisano tego rodzaju urządzenia pomiarowe.

Organ oceny zgodności (Jednostka Notyfikowana)
Moduł B + D
Physikalisch-Technische Bundesanstalt PTB, Federalny Urząd Fizyczno-Techniczny – Numer identyfikacyjny 0102

QS-numer certyfikatu:
DE-M-AQ-PTB010

Zastosowane normy:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

saját felelősségünkre kijelentjük, hogy a

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 6,3 / 10 / 16 / 25

termék
DE-07-MI001-PTB009 sz.
vizsgálati tanúsítvánnyal

megfelel a 2014/32/EU irányelv szabványainak, amelyek erre a mérőműszer fajtára vonatkoznak.

Megfelelőség-értékelő testület (Bejelentett Szervezet)
B + D modul PTB (Fizikai-Műszaki Szövetségi Intézet, a német nemzeti tesztlő hatóság) – Azonosítószám 0102

QS-Tanúsítvány száma:
DE-M-AQ-PTB010

Alkalmazott szabványok:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

dichiariamo in esclusiva responsabilità che i prodotti

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 6,3 / 10 / 16 / 25

con il certificato di esame n.
DE-07-MI001-PTB009

soddisfano gli standard della direttiva 2014/32 / UE che si applica per questo tipo di dispositivi di misurazione.

Organismo di valutazione della conformità (Organismo Notificato) modulo B + D II PTB (Physikalisch Technische Bundesanstalt, la autorità nazionale Tedesca di controllo) - numero di identificazione 0102

Certificato QS numero:
DE-M-AQ-PTB010

Standard applicati:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

declarăm pe propria răspundere faptul că produsele (contoare de apă)

MNK, MNK-N, MNK-RP, MNK-RP-N
Q₃ = 6,3 / 10 / 16 / 25

cu certificatul de examinare nr.
DE-07-MI001-PTB009

îndeplinesc standardele directivei 2014/32/UE, care se aplică pentru acest tip de aparat de măsurare.

Organismul de certificare a modului B + D: PTB (Physikalisch Technische Bundesanstalt, autoritatea națională germană de testare) – număr de identificare 0102.

Număr QS certificat:
DE-M-AQ-PTB010

Standarde aplicate:
DIN EN ISO 4064:2017
OIML R 49, 2013 (E)

Saarbrücken, 01.04.2022

Alexander Lehmann, General Manager