



Product certificate K78813/09

Issued 2022-12-01

Replaces K78813/08

Page 1 of 3

Water meters

STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Kamstrup A/S

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline

BRL-K618: "Water meters" dated 2018-01-15 and **BRL-K618 [A1]** dated 2020-07-07

which embodies

EN-ISO 4064-1: 2017: "Water meters for cold potable water and hot water - Part 1: Metrological and technical requirements".

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

Kiwa Nederland B.V.
Sir Winston Churchilllaan 273
P.O.Box 70
2280 AB RIJSWIJK
The Netherlands
Tel. +31 88 998 44 00
Fax +31 88 998 44 20
info@kiwa.nl
www.kiwa.nl

Company
Kamstrup A/S
Industrivej 28
DK-8660 SKANDERBORG
Denemarken
Tel. +45 89 931 335
Fax +45 89 931 335
info@kamstrup.dk
www.kamstrup.com



**Certification process
consists of initial and
regular assessment of:**

- quality system
- product

Water meters

PRODUCT SPECIFICATION

The products mentioned below belong to this technical approval-with-product certificate

Ultrasonic water meter:

MULTICAL® 21

- Q₃ 1,6 m³/h - R=160;
- Q₃ 2,5 m³/h – R=250;
- Q₃ 4,0 m³/h – R=250.
- MAP 1,6 MPa;
- MAT 50°C;
- With strainer.

Ultrasonic water meter:

FlowIQ3100

- 1¼" * 260 mm, DN25/ 4,0/ 6,3/ 10 m³/h;
- 1½" * 260 mm, DN32/ 6,3/ 10 m³/h;
- 190 mm, DN20/ 2,5 m³/h;
- DN65-300 mm, DN65/ 25/ 40 m³/h;
- DN80-300 mm, DN80/ 40/ 63 m³/h.

Ultrasonic water meter:

KWM3230

- DN20-190mm, 4,0 m³/h;
- DN25-260 mm, 4,0/ 6,3 / 10 m³/h;
- DN32-260 mm, 6,3/ 10 m³/h;
- DN50-270 mm, 16 / 25 m³/h;
- DN65-300 mm, 25 / 40 m³/h;
- DN80-300 mm, 40 / 63 m³/h;
- DN100-360 mm, 100 / 160 m³/h;
- MAP 1,6 MPa;
- MAT 50°C;
- DN20 – DN32 with strainer.

Ultrasonic water meter:

KWM4230

- DN125mm, 160 m³/h - L=250 mm;
- DN150mm, 250 m³/h - L=300 mm;
- DN200mm, 400 m³/h - L=350 mm;
- DN250mm, 630 m³/h - L=450 mm;
- DN300mm, 1.000 m³/h - L=500 mm;
- MAP 1,6 MPa;
- MAT 50°C.

Ultrasonic water meter:

KWM2210

- ¾" - Q₃ 1,6/2,5 m³/h - L=110, 170 mm;
- 1" - Q₃ 2,5 m³/h – L=105, 130, 190 mm;
- 1" - Q₃ 4,0 m³/h – L=130, 190 mm;
- MAP 1,6 MPa;
- MAT 50°C;
- With strainer.

Ultrasonic water meter:

KWM2230

- ¾" - Q₃ 1,6/2,5 m³/h - L=110 mm;
- 1" - Q₃ 2,5 m³/h – L=105, 130, 190 mm;
- 1" - Q₃ 4,0 m³/h – L=130, 190 mm;
- MAP 1,6 MPa;
- MAT 50°C;
- With strainer.

Ultrasonic water meter:

KWM2231

- DN15mm, 1,6/2,5 m³/h - L=110 mm;
- DN20mm, 2,5 m³/h – L=105 mm;
- DN20mm, 2,5/4,0 m³/h – L=130 mm;
- DN20mm, 2,5/4,0 m³/h – L=190 mm;
- MAP 1,6 MPa;
- MAT 50°C;
- With strainer.

Water meters

Fitness for contact with drinking water

This product is approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" ("Materials and chemicals in the supply of drinking water and warm tap water Regulation" dated 01-07-2017; published in the Government Gazette).

These hygienic aspects are based on two main criteria. The product shall permanently comply with:

- The product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa approval procedure for the hygienic aspects;
- Specific product requirements for the hygienic aspects.

The recipe and specific product requirements are laid down in the for confidentiality reasons undisclosed 'appendix hygienic aspects' to this certificate.

MARKING

The Kiwa®-mark products are marked with the word mark "KIWA 

Place of the mark: outside of the water meters

Compulsory specifications:

- Unit of measurement: (m³);
- Numerical value of Q₃;
- Ratio Q₃/Q₁, preceded by "R", i.e. "R160";
- Ratio Q₂/Q₁, (where it differs from 1,6);
- MAP (where it differs from 1 MPa (10 bar);
- Direction of flow by an arrow
- The letter V or H, if the meter can only be operated in the vertical or horizontal position;
- MAT, where it differs from T30;
- Pressure loss class (where it differs from ΔP 63);
- Classes on sensitivity to irregularities in velocity field;
- The name or trademark of the manufacturer;
- Year of manufacture, last 2 digits
- Serial number, as near as possible to the indicating device;
- The pattern approval sign according to European regulations;
- Climatic and mechanical environment: severity level;
- EMC Class;
- Output signals for ancillary devices: type/levels if any;
- External power supply requirements: voltage – frequency.

Method of marking:

- Non-erasable;
- visible after assembly.

APPLICATION AND USE

The products are intended to be used in closed and filled drinking water installations in order to measure the quantities of water flowing through per unit of time and totalised, with a maximum water temperature of 50°C.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- Kamstrup A/S
- and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.