

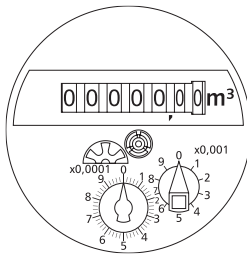


## MTKD-N and MTKD-M

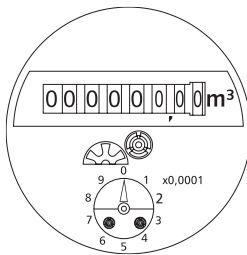
### Multi-jet dry dial meter for cold water

In use by the million worldwide the MTK will convince you thanks to their high technical standard and high-quality workmanship. The MTKD is equipped with the new ZENNER D-register. MTKD is available in two versions: MTKD-N with 7-digit rollers and magnet pointer for pulse output. MTKD-M with 8-digit rollers register and modulator disc for non-reactive scanning for radio (wireless M-Bus), M-Bus or pulse.

Precise measurement results are achieved, even where the water quality varies or in the most difficult installation situations.



MTKD-N



MTKD-M

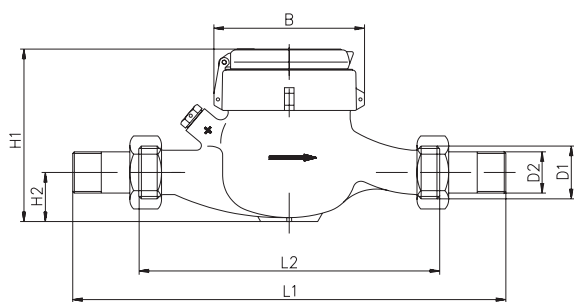


### Performance characteristics in overview

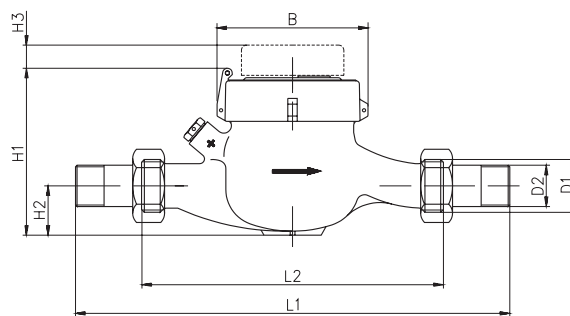
- High-quality UV-resistant plastic inspection window
- Dry dial register with shielded magnetic coupling
- Rotatable and individually inscribable lidring
- Operating temperature up to 30°C, optional up to 50°C
- Operating pressure PN 16
- Water meter for horizontal and vertical installation
- Register available as copper can version (IP 68)
- Version MTKD-N with pulse output (reed) for remote readout
- Standard pulse value 10 l/pulse, optional 1 l/pulse available
- Version MTKD-M with modulator disc for non-reactive scanning
- Approved in accordance with MID

| Technical data MTKD-N, MTKDI-N, MTKD-M |                                |                   |                                   |                                   |                                   |                                   |                                   |
|--|--------------------------------|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Permanent flow                         | Q <sub>3</sub>                 | m <sup>3</sup> /h | 2,5                               | 4                                 | 6,3                               | 10                                | 10                                |
| Comparable to nominal flow (EWG)       | Q <sub>n</sub>                 | m <sup>3</sup> /h | 1,5                               | 2,5                               | 3,5                               | 6                                 | 6                                 |
| Attainable measuring range             | Q <sub>3</sub> /Q <sub>1</sub> | R                 | 100H/31,5V                        | 160H/40V                          | 125H/50V                          | 160H/50V                          | 160H/50V                          |
| Standard measuring range (*)           | Q <sub>3</sub> /Q <sub>1</sub> | R                 | R25 R80H                          | R25 R80H                          | R40 R80H                          | R40 R80H                          | R40 R80H                          |
| Comparable to metrological class (EWG) | class                          |                   | A / B-H                           | A / B-H                           | A / B-H                           | A / B-H                           | A / B-H                           |
| Overload flow (**)                     | Q <sub>4</sub>                 | m <sup>3</sup> /h | 3,13                              | 5                                 | 7,88                              | 12,5                              | 12,5                              |
| Minimum flow (**)                      | Q <sub>1</sub>                 | l/h               | 100 / 31H                         | 160 / 50H                         | 158 / 79H                         | 250 / 125H                        | 250 / 125H                        |
| Start-up flow rate                     | -                              | l/h               | <10                               | <10                               | <18                               | <18                               | <18                               |
| Display range                          | min                            | l                 | 0,02                              | 0,02                              | 0,02                              | 0,02                              | 0,02                              |
|  | max                            | m <sup>3</sup>    | R8<br>99999.999<br>R7<br>99999.99 | R8<br>99999.999<br>R7<br>99999.99 | R8<br>99999.999<br>R7<br>99999.99 | R8<br>99999.999<br>R7<br>99999.99 | R8<br>99999.999<br>R7<br>99999.99 |
| Maximum temperature                    | -                              | °C                | 30                                | 30                                | 30                                | 30                                | 30                                |
| Operating pressure, max.               | PN                             | bar               | 16                                | 16                                | 16                                | 16                                | 16                                |
| Pulse value                            |                                | l/pulse           | 1/10                              | 1/10                              | 1/10                              | 1/10                              | 1/10                              |
| <b>Dimensions:</b>                     |                                |                   |                                   |                                   |                                   |                                   |                                   |
| Nominal diameter                       | DN                             | mm                | 15                                | 20                                | 25                                | 25                                | 32                                |
|  |                                | inch              | ½"                                | ¾"                                | 1"                                | 1"                                | 1 ¼"                              |
| Overall length without connectors (*)  | L2                             | mm                | 165/170                           | 190                               | 260                               | 260                               | 260                               |
| Overall length with connectors approx. | L1                             | mm                | 245/250                           | 286                               | 378                               | 384                               | 384                               |
| Thread meter G x B                     | D1                             | inch              | ¾"                                | 1"                                | 1 ¼"                              | 1 ¼"                              | 1 ½"                              |
| Thread connector R x                   | D2                             | inch              | ½"                                | ¾"                                | 1"                                | 1"                                | 1 ¼"                              |
| Width approx.                          | B                              | mm                | 95                                | 95                                | 95                                | 95                                | 95                                |
| Height (plastic glass) approx.         | H1 k*                          | mm                | 120                               | 120                               | 120                               | 120                               | 120                               |
|  | H2                             | mm                | 35                                | 25                                | 35                                | 40                                | 40                                |
|  | H3                             | mm                | 15                                | 15                                | 15                                | 15                                | 15                                |
| Weight approx.                         | -                              | kg                | 1,2                               | 1,3                               | 2,1                               | 2,1                               | 2,1                               |

(\*) Other measuring ranges (R) and overall lengths on request. (\*\*) The data refer to the standard measuring range  
k\* plastic glass



Dimensions MTKD-N/-M, MTKD-L-N/-M



Dimensions MTKDI-N, MTKDI-L-N with pulser

| Technical data MTKD-N, MTKDI-N, MTKD-M |                                |                   | MTKD-L-N, MTKDI-L-N, MTKD-L-M     |                                   |                                   |                                   |                                   |    |
|--|--------------------------------|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----|
| Permanent flow                         | Q <sub>3</sub>                 | m <sup>3</sup> /h | 16                                | 25                                | 25                                | 2,5                               | 4                                 |    |
| Comparable to nominal flow (EWG)       | Q <sub>n</sub>                 | m <sup>3</sup> /h | 10                                | 15                                | 15                                | 1,5                               | 2,5                               |    |
| Attainable measuring range             | Q <sub>3</sub> /Q <sub>1</sub> | R                 | 160H 25any                        | 125H/40V                          | 125H/40V                          | 100H/31,5V                        | 160H/40V                          |    |
| Standard measuring range (*)           | Q <sub>3</sub> /Q <sub>1</sub> | R                 | R25 R80H                          | 80H/40V                           | 80H/40V                           | R25 R80H                          | R25/R80H                          |    |
| Comparable to metrological class (EWG) | class                          |                   | A / B-H                           | B-H                               | B-H                               | A / B-H                           | A/B-H                             |    |
| Overload flow (**)                     | Q <sub>4</sub>                 | m <sup>3</sup> /h | 20                                | 31,3                              | 31,3                              | 3,13                              | 5                                 |    |
| Minimum flow (**)                      | Q <sub>1</sub>                 | l/h               | 640 / 200H                        | 313H                              | 313H                              | 100 / 31H                         | 160/50H                           |    |
| Start-up flow rate                     | -                              | l/h               | <40                               | <25                               | <25                               | <10                               | <10                               |    |
| Display range                          | min                            | l                 | 0,1                               | 0,1                               | 0,1                               | 0,02                              | 0,02                              |    |
|  | max                            | m <sup>3</sup>    | R8<br>99999.999<br>R7<br>99999.99 | R8<br>99999.999<br>R7<br>99999.99 | R8<br>99999.999<br>R7<br>99999.99 | R8<br>99999.999<br>R7<br>99999.99 | R8<br>99999.999<br>R7<br>99999.99 |    |
| Maximum temperature                    | -                              | °C                | 30                                | 30                                | 30                                | 30                                | 30                                |    |
| Operating pressure, max.               | PN                             | bar               | 16                                | 16                                | 16                                | 16                                | 16                                |    |
| Pulse value                            |                                | l/pulse           | 1/10                              | 1/10                              | 1/10                              | 1/10                              | 1/10                              |    |
| <b>Dimensions:</b>                     |                                |                   |                                   |                                   |                                   |                                   |                                   |    |
| Nominal diameter                       | DN                             | mm                | 40                                | 50                                | 50                                | 15                                | 20                                |    |
|  |                                | inch              | 1 ½"                              | 2"                                | ---                               | ½"                                | ¾"                                |    |
| Overall length without connectors (*)  | L2                             | mm                | 300                               | 300                               | 270                               | 165/170                           | 190                               |    |
| Overall length with connectors approx. | L1                             | mm                | 428                               | 444                               | ---                               | 245/250                           | 286                               |    |
| Thread meter G x B                     | D1                             | inch              | 2"                                | 2 ½"                              | flange                            | ¾"                                | 1"                                |    |
| Thread connector R x                   | D2                             | inch              | 1 ½"                              | 2"                                | ---                               | ½"                                | ¾"                                |    |
| Width approx.                          | B                              | mm                | 110                               | 110                               | 110                               | 99                                | 99                                |    |
| Height (plastic glass) approx.         | H1 k*                          | mm                | 150                               | 150                               | 175                               | 120                               | 120                               |    |
|  |                                | H2                | mm                                | 50                                | 60                                | 75                                | 35                                | 30 |
|  |                                | H3                | mm                                | 15                                | 15                                | 15                                | 15                                | 15 |
| Weight approx.                         | -                              | kg                | 4,0                               | 4                                 | 9,5                               | 0,6                               | 0,6                               |    |

(\*) Other measuring ranges (R) and overall lengths on request. (\*\*) The data refer to the standard measuring range k\* plastic glass

