

Water Meters

Measuring instruments for water use

NWM Water Meter, WP Water Meter



Water meters should be used in cases where measuring the volume of water flow is relevant for an application. LORENTZ offers two types of water meters (NWM and WP) covering the pipe size range from DN25 to DN200.

NWM Water Meters are suitable for applications with a pipe size of DN25 and DN32, whereas WP Water Meters are suitable for a pipe size of DN50 up to DN200.

Each water meter comes with a pre-mounted reed switch output. This output can be connected to PS2 and PSk controllers. This connection allows for monitoring of the flow rate and the amount of water pumped using the LORENTZ CONNECTED apps.

This datasheet includes product information for both the NWM Water Meter and the WP Water Meter.



NWM Water Meter



WP Water Meter

NWM Water Meter



Features

The NWM (Ningbo Water Meter) Water Meter is suitable for applications with a pipe size from DN25 to DN32.

- Hermetically liquid sealed rollers which ensures clear reading in any operating conditions
- Low pressure loss, long working life
- Easy to install
- Reed switch output for easy water flow control and monitoring

Technical Data

- Water temperature 50°C
- Water pressure: max. 16 bar
- IP64
- CE Conformity



Order information

item number	description
19-002220	water meter, NWM-DN25, 0.1 cbm/p
19-002225	water meter, NWM-DN32, 0.1 cbm/p

Accuracy Curve

The Accuracy curve shows the deviation in percent for different flow rates. In regular operation the deviation is between -2% and +2%.

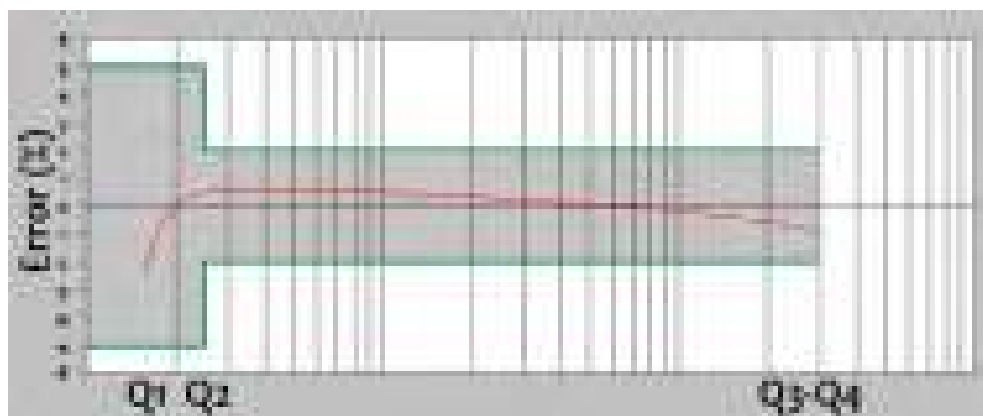


Table 1: NWM - Flow rate characteristics

	DN25	DN32
max. flow rate: $Q_{\max}$ [m³/h]	7.875	12.5
nominal flow rate: Q_n [m³/h]	0.063	0.1
transition flow rate: Q_t [m³/h]	3.0	5.0
minimum flow rate: $Q_{\min}$ [m³/h]	0.7	0.75

Table 2: NWM - Dimensions, weight specifications

	DN25	DN32
L	260	260
L1	380	384
D	G1-1/4B	G1-1/2B
d	R1	R1-1/4
H	117.5	117.5
H1	206.5	206.5
W	98	98



WP Water Meter



The WP (Woltman) Water Meter is suitable for applications with a pipe size from DN50 to DN200.

Features

- Dry dial register ensures clear reading
- Low pressure loss, long working life
- Easy to install
- Reed switch output for easy water flow control and monitoring

Technical Data

- Water temperature 40°C
- Water pressure: max. 16 bar
- IP64
- CE Conformity



Order information

item number	description
19-002165	water meter, WP-DN50, 0.1 cbm/p
19-002170	water meter, WP-DN65, 0.1 cbm/p
19-002180	water meter, WP-DN80, 0.1 cbm/p
19-002190	water meter, WP-DN100, 0.1 cbm/p
19-002200	water meter, WP-DN125, 0.1 cbm/p
19-002210	water meter, WP-DN150, 0.1 cbm/p
19-002202	water meter, WP-DN200, 0.1 cbm/p

Accuracy Curve

The Accuracy curve shows the deviation in percent for different flow rates. In regular operation the deviation is between -2% and +2%.

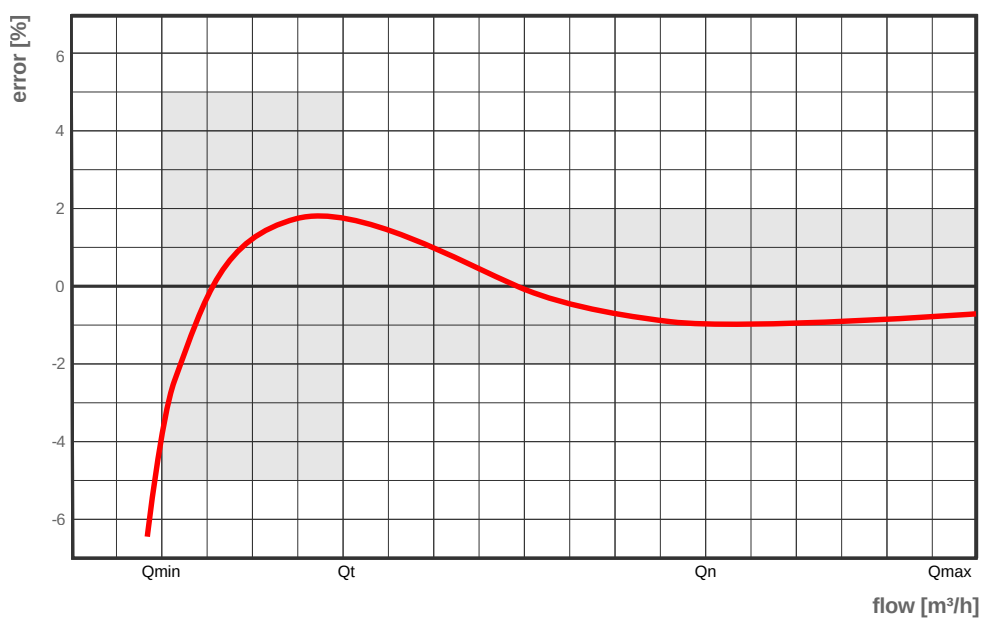
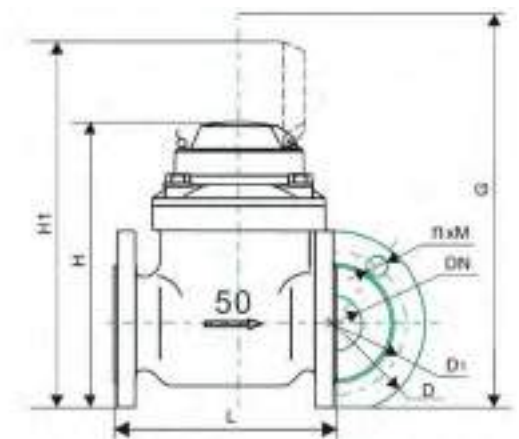


Table 1: WP - Flow rate characteristics

	DN50	DN65	DN80	DN100	DN125	DN150	DN200
max. flow rate: $Q_{\max}$ [m³/h]	30	50	80	120	200	300	500
nominal flow rate: Q_n [m³/h]	15	25	40	60	100	150	250
transition flow rate: Q_t [m³/h]	3.0	5.0	8.0	12	20	30	50
minimum flow rate: $Q_{\min}$ [m³/h]	0.7	0.75	1.2	1.8	3.0	4.5	7.5

Table 2: WP - Dimensions, weight specifications

	DN50	DN65	DN80	DN100	DN125	DN150	DN200
L [mm]	200	200	225	250	250	300	350
H [mm]	232	242	252	262	275	325	355
H1 [mm]	303	313	323	333	346	396	426
G [mm]	360	360	360	360	360	420	420
D [mm]	165	185	200	220	250	285	340
D [mm]	125	145	160	180	210	240	295
Connecting bolt quantity	4xM16	4xM16	8xM16	8xM16	8xM16	8xM20	12xM20
Weight [kg]	12	13	16	18	20	42	74



About LORENTZ

LORENTZ is the global market leader in solar powered water pumping solutions. Founded in Germany during 1993 LORENTZ has pioneered, innovated and excelled in the engineering and manufacturing of solar powered water pumping. Today LORENTZ is active in over 130 countries through a dedicated network of professional partners. LORENTZ technology uses the power of the sun to pump water, sustaining and enhancing the life of millions of people, their livestock and crops.

Simply – **Sun. Water. Life.**



LORENTZ Germany
Siebenstücken 24
24558 Henstedt-Ulzburg
Germany

☎ +49 (4193) 8806 700

LORENTZ China
No 34 Jiuan Road
Doudian Town
Fangshan District
102433 Beijing
China

☎ + 86 (10) 6345 5327

LORENTZ US Corp
710 S HWY 84
Slaton, TX 79364
USA

☎ +1 (844) LORENTZ

LORENTZ India Pvt. Ltd.
Netaji Subhash Place
Pitampura 110034
New Delhi
India

☎ + 91 (11) 4707 1009

www.lorentz.de