NWM Water Meter

The **NWM Water Meter** is a device for measuring flow in water applications.

The **NWM water meter** has a pulse output for connection to LORENTZ pump controllers.

The water meter is used in applications where measured flow and water volume values are required.

The **NWM Water Meter** is suitable for applications with a pipe size of DN25 and DN32.

The **NWM Water Meter** contains a special sealed liquid which is separate from the flow water to maximize readability, avoid fogging and avoid scaling.

Characteristics

- All materials in contact with water are corrosion resistant.
- Five (5) digit mechanical display showing total liquid in 1m3 increments.
- Reed switch output which can be connected to PS2 and PSk controllers.
- Easy to install.

Technical Data

- Water temperature max. 50°C
- Water pressure: max. 16 bar
- Reed switch positioned on the x0,001 dial pointer: 10 l/imp.
- Reed Switch cable length: 1,45m
- IP64
- CE Conformity

CE

Flow rate characteristics

Flow	DN25	DN32
Max. flow rate: Q_{max} [m³/h]	7,87	12,5
Nominal flow rate: Q_n [m³/h]	6,3	10
Transition flow rate: Q_t [m³/h]	0,063	0,1
Minimum flow rate: Q_{min} [m³/h]	0,036	0,062

Reed switch impulse data output

Reed switch impulse	
Water meter size	Liters per impulse
DN25	10
DN32	10

Accuracy Curve

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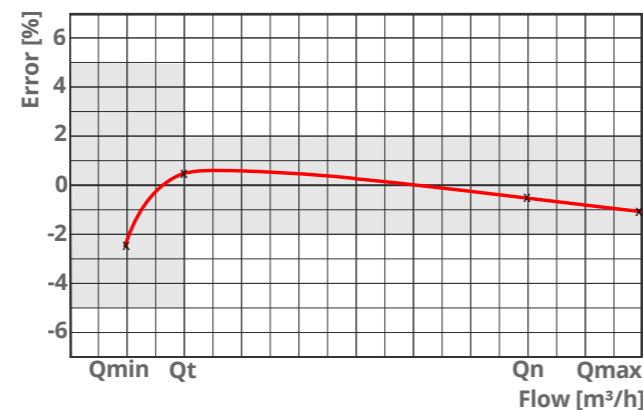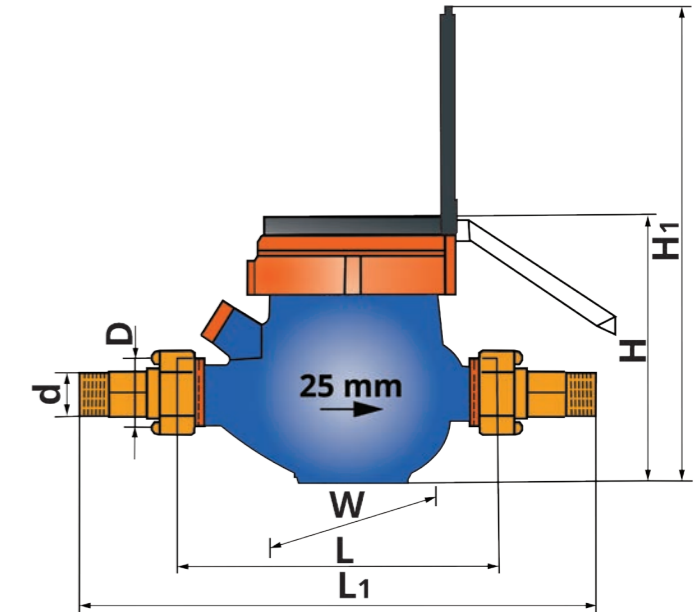

NWM Water Meter

Dimensions and weights

Description	DN25	DN32
L [mm]	260	260
L1 [mm]	380	384
D [mm]	G1-1/4B	G1-1/2B
d [mm]	R1	R1-1/4
H [mm]	117,5	117,5
H1 [mm]	206,5	206,5
W [mm]	98	98
Net Weight [kg]	2,6	3,1

Order information

Item number	Description
19-002220	Water meter, NWM-DN25, 0.01 cbm/p
19-002225	Water meter, NWM-DN32, 0.01 cbm/p

Packaging information

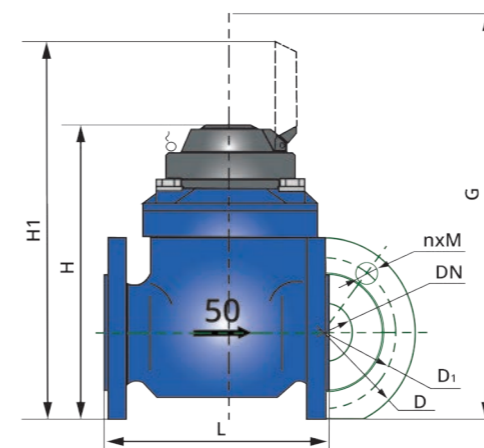| Description	19-002220	19-002225
Dimension [LxWxH] [mm]	310x280x250	310x280x250
Gross Weight [Kg]	3,5	3,9
Volume [m³]	0,022	0,022

WP Water Meter

Accuracy Curve

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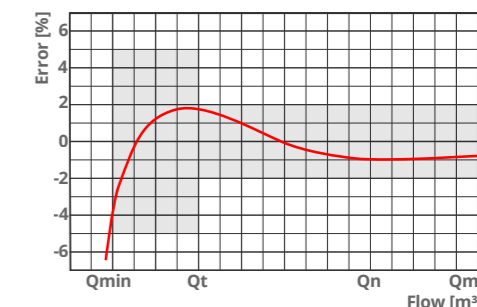
Dimensions and weights

Description	DN50	DN65	DN80	DN100	DN125	DN150	DN200
L [mm]	200	200	225	250	250	300	350
H [mm]	252	262	272	282	297	341	371
H1 [mm]	339	349	359	369	384	428	458
G [mm] [Maintaining height]	400	400	400	400	400	500	500
D [mm]	165	185	200	220	250	285	340
D1 [mm]	125	145	160	180	210	240	295
nxM [Connecting bolt qty]	4xM16	4xM16	8xM16	8xM16	8xM16	8xM20	12xM20
Weight [kg]	12	13	15	16	21	33	42

Order and Packaging information

Item number	Description	Gross Weight [Kg]	Dimension [LxWxH] [mm]	Volume [m³]
19-002165	Water meter, WP-DN50, 0.1 cbm/p	15	280x230x320	0,021
19-002170	Water meter, WP-DN65, 0.1 cbm/p	16	290x230x330	0,022
19-002180	Water meter, WP-DN80, 0.1 cbm/p	17	280x240x350	0,023
19-002190	Water meter, WP-DN100, 0.1 cbm/p	20	320x260x350	0,029
19-002200	Water meter, WP-DN125, 0.1 cbm/p	25	340x310x390	0,041
19-002210	Water meter, WP-DN150, 1 cbm/p	38	370x340x420	0,053
19-002202	Water meter, WP-DN200, 1 cbm/p	49	415x390x435	0,070