



# WT Series

Size available : DN50~DN300



## Hybrid Digital Woltmann Water Meter



MID 2014/32/EU Certified  
(based on OIML R49, EN 14154 and ISO 4064)

### PRODUCT FEATURES

- Direct reading E-register
- Flange connection
- Measuring range-R200
- Wired/Wireless communications
- Gear-free and magnet-free sensing technology

### APPLICATIONS

- Net totalizer, forward/reverse flow
- Commercial and industrial
- Utility : Water supply network ; WTP
- AMR : Automatic meter reading
- DMA : District metered areas

### PERFORMANCE DATA

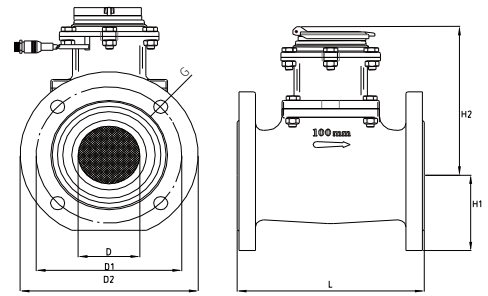
Meter Type	WT50	WT80	WT100	WT150	WT200	WT250	WT300
Nominal diameter DN (mm)	50	80	100	150	200	250	300
Minimum flowrate Q <sub>1</sub> (m <sup>3</sup> /h)	0.125	0.315	0.5	1.25	2	3.15	5
Transitional flowrate Q <sub>2</sub> (m <sup>3</sup> /h)	0.2	0.504	0.8	2	3.2	5.04	8
Permanent flowrate Q <sub>3</sub> (m <sup>3</sup> /h)	25	63	100	250	400	630	1000
Overload flowrate Q <sub>4</sub> (m <sup>3</sup> /h)	31.25	78.75	125	312.5	500	787.5	1250
Ratio Q <sub>3</sub> / Q <sub>1</sub> (R)	200						
Ratio Q <sub>2</sub> / Q <sub>1</sub>	1.6						
Maximum permissible error in upper flowrates range Q <sub>2</sub> ≤ Q ≤ Q <sub>4</sub>	±2 % (at Θ ≤ 30 °C)						
Maximum permissible error in lower flowrates range Q <sub>1</sub> ≤ Q < Q <sub>2</sub>	±5 %						

### DIALS

Meter Type	WT50 - WT80	WT100 - WT250	WT300
Scale interval (resolution of the indicating device) (m <sup>3</sup> )	0.0001	0.001	0.01
Capacity of calculator (m <sup>3</sup> )	99999.9999	999999.999	9999999.99
Indicating device	Digital		
Units displayed	m <sup>3</sup>		



## DIMENSIONS



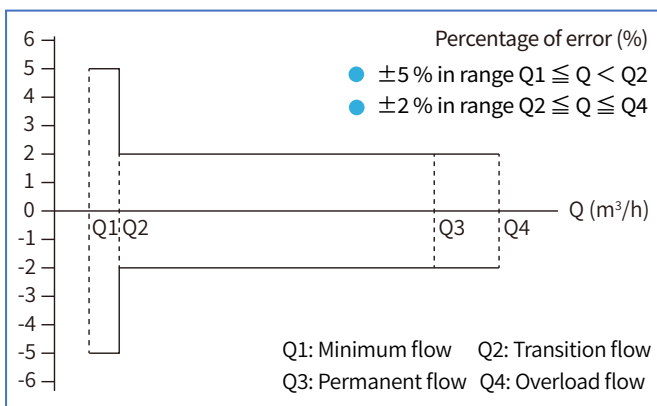
	DN (D)	Length (L+0-5)	Width (D2+5-2)	Flange Center Range (D1±2)	Flange Bottom To Flange Center (H1±3)	Flange Cover To Flange Center (H2±3)	Flange Hole Diameter (G)	Hole Number (n)	Approx Weight (kg)
WT 50	50	200	165	125	77.5	202.5	19	4	19
WT 80	80	200	200	160	90	210	6-19 2-M16	8	18.5
WT 100	100	250	220	180	108	210	19	8	22.5
WT 150	150	300	285	240	136	248	23	8	29
WT 200	200	350	340	295	163	248	23	12	53
WT 250	250	450	400	355	163	345	28	12	80
WT 300	300	500	455	410	219	345	28	12	107

Thread : Flange connection  
Except above mentioned unit, the remaining unit is mm.

## TECHNICAL SPECIFICATIONS

Parameter	Specifications
Installation orientation	H ( with the indication device at the top )
Water temperature range $\Theta$ (temperature class)	0.1°C ~ 30°C (T30)
Maximum admissible pressure MAP	16 bar
Pressure loss (pressure loss class $\Delta p$ )	0.4 bar ( $\Delta p$ 40)
Mechanical class	M1
Climatic class	+ 5°C ~ + 55°C
Electromagnetic class	E1
Flow profile sensitivity class	U0 D0
Protection degree	IP68
Battery	3.67 V
Battery life	8 Years

## ERROR CURVE



## HEAD LOSS CURVE

