

## WM3 Woltman Water Meter Dry Dial Removable Mechanism (Hot Water)

### Features

- It is dismountable and its movement can be pulled out easily for repair and exchange without taking the meter from pipe. (The recorder can be replaced on condition that water is available)
- The recorder is sealed up so that readings are over clear.
- Measuring devices are general - purpose and can reduce alternate parts.
- Its parts are connected magnetically and work numbly and reliably because of slight obstruction.
- The pressure loss is small.
- It is durable.



### Working Conditions

- Hot  
Water Temperature: 90°C  
Water Pressure: 1MPa  
 $\Delta P < 0.03\text{MPa}$

### Accuracy

- From minimum flow-rate ( $Q_{min}$ ) inclusive, to transitional flow-rate ( $Q_t$ ), exclusive:  $\pm 5\%$
- From transitional flow-rate ( $Q_t$ ) inclusive, to overload flow-rate ( $Q_s$ ), exclusive:  $\pm 2\%$
- Hot: Exclusive:  $\pm 3\%$

### Application

Dismountable spiral hot water is for recording discharge, flowing through its pipe. It can not record the amount of polluted water end corrosive liquid.

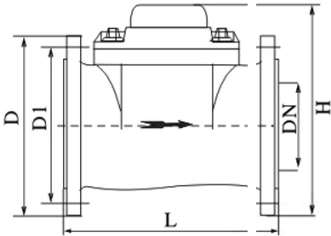
### Dimensions (in mm)

Nominal Size DN	Length L	Width W	Height H	Outer Diameter of Flange D	The Center Diameter of Connecting Bolt D1	Connecting Bolt (pcs.)	Weight (Kg)
50	200	172	247	165	125	4xM16	12
65	200	185	260	185	145	8xM16	13
80	225	200	264.5	200	160	8xM16	15
100	250	225	271.5	220	180	8xM20	15
125	250	250	295	250	210	8xM20	23
150	300	285	301.5	285	240	8xM20	30
200	350	340	358.5	340	295	12xM20	42
250	400	395	413.5	395	350	12xM20	51
300	450	445	463.5	445	400	12xM20	63

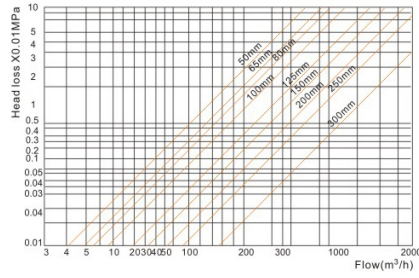
### Technical Data

Nominal Size DN (mm)	Class of measurement	Overload flow-rate $Q_s$ (m <sup>3</sup> /h)	Permanent flow-rate $Q_p$ (m <sup>3</sup> /h)	Transitional flow-rate $Q_t$ (l/h)	Minimum flow-rate $Q_{min}$ (l/h)	Minimum Reading Min (m <sup>3</sup> )	Minimum Reading Max (m <sup>3</sup> )
50	B	30	15	3	0.45	0.02	999999
65	B	50	25	5	0.75	0.02	999999
80	B	80	40	8	1.2	0.01	999999
100	B	120	50	12	1.8	0.1	999999
125	B	200	100	20	3	0.1	999999
150	B	300	150	30	4.5	0.1	9999999
200	B	500	250	50	7.5	0.1	9999999

Nominal Size DN (mm)	Class of measurement	Overload flow-rate Qs (m <sup>3</sup> /h)	Permanent flow-rate Qp (m <sup>3</sup> /h)	Transitional flow-rate Qt (l/h)	Minimum flow-rate Qmin (l/h)	Minimum Reading Min (m <sup>3</sup> )	Minimum Reading Max (m <sup>3</sup> )
250	B	800	400	30	80	0.1	9999999
300	B	1200	800	30	18	0.1	9999999



Head Loss Curve



Error Curve

