

**WS-50~150**  
**VERTICAL WOLTMAN WATER METER**  
**垂直螺翼式水表**



WS-100

**【用途】**

记录流经自来水管道的水的总量，不适宜有腐蚀性的液体。

**【Application】**

It is designed to measure potable water, not suitable for corrosive liquid.

**【生产标准】**

适用标准:ISO 4064 (等同GB/T 778-2007)

**【Standards】**

Complies with: ISO 4064 (equivalent to GB/T 778-2007), MID14154

**【特点】**

本水表采用垂直放置、点支承的螺翼式叶轮，且叶轮外径大于公称口径，特别是水表内部安装的不锈钢滤网和硬质合金——刚玉——碳纤维尼龙擦刷，使之具有量程范围宽、始动流量小、经久耐用等优点，并能使其在水质环境恶劣的条件下正常工作。采用铜封计数器，保持永久整洁；加大字轮显示读数，可在表井外抄读；可预留远传发讯，带磁脉发讯接口功能，便于远抄读。WS型水表技术参数全面优于LXS型旋翼式水表，是其提高计量等级、合理计费的换代产品。

**【Features】**

- It is a vertical woltman water meter
- Magnetic drive, lower transmission resistance;
- With pulse output for remote reading;
- Copper register cup and big gears ensure clear reading;
- Cast iron with epoxy coating;
- The measuring mechanism can be removable from the body for checking, maintaining and replacing, no need to dismantle the body from the pipe;
- Keep original measuring mechanism;
- Low pressure loss, long working life;
- Inter-exchangeable parts.

**流量技术参数 Flow Technical Data**

型号 TYPE	公称口径 mm	Q <sub>3</sub> /Q <sub>1</sub>	Q <sub>2</sub> /Q <sub>1</sub>	过载流量 Q <sub>4</sub>	常用流量 Q <sub>3</sub>	分界流量 Q <sub>2</sub>	最小流量 Q <sub>1</sub>	最小读数 Min	最大读数 Max
WS-50	50	160	6.3	50	40	1.575	0.25	0.0005	999999
		200	1.6			0.32	0.2		
WS-80	80	160	6.3	79	63	2.48	0.394	0.0005	999999
		200	1.6			0.5	0.315		
WS-100	100	160	6.3	125	100	3.94	0.625	0.0005	999999
		200	1.6			0.8	0.5		
WS-150	150	200	6.3	312	250	7.875	1.25	0.005	9999999

**最大允许误差 Maximum Permissible Error**

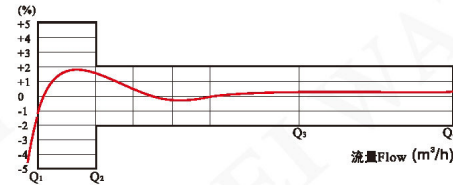
a) 低区 (Q<sub>1</sub> ≤ Q < Q<sub>2</sub>) 最大允许误差为 ±5%

Accuracy between Q<sub>1</sub> and Q<sub>2</sub> ±5%

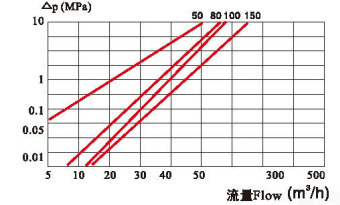
b) 高区 (Q<sub>2</sub> ≤ Q ≤ Q<sub>4</sub>) 最大允许误差为 ±2% (热水表 ±3%)

Accuracy between Q<sub>2</sub> and Q<sub>4</sub> ±2% (±3% for hot water)

**流量误差曲线 Flow Error Curve**

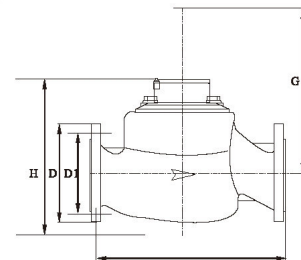


**压力损失曲线 Pressure Loss Curve**



**外形尺寸及重量 Dimensions and Weight**

型号 TYPE	公称口径 mm	长L Length	宽B Width	高H Height	连接法兰 Connecting Thread			重量 Weight kg
					法兰外径D mm	螺栓孔中心圆直径D1 mm	螺栓 DXN	
WS-50	50	280	245	300	165	125	4xM16	17.5
WS-80	80	370/225	280	300	200	160	8xM16	23/20
WS-100	100	370/250	300	345	220	180	8xM16	31/27
WS-150	150	500	335	445	285	240	8xM20	60



**主要参数**

温度等级: 冷 ≤ T50 / 热 T90

压力等级: MAP 10

压力损失等级: ΔP63

上游流场敏感度等级: U10

下游流场敏感度等级: U5

**WORKING CONDITION**

Working temperature for cold water meter: +0.1 °C ~ +50 °C

Working temperature for hot water meter: +0.1 °C ~ +90 °C

Head loss: ΔP63

Working pressure ≤ 1.0 Mpa