Honesty / Rigorous / Innovation / Efficiency

WESDOM

集 团 总 部：中国·郑州华南城中原电商大厦
分　工　厂：上海·天津·温州·河北·大连
驻外分公司：非洲·坦桑尼亚·赞比亚

国际贸易部：+86-13849053922
国内贸易部：+86-13203812911
+255654088888
坦 桑 尼 亚：+255744222807
+255744222808
赞　比　亚：+260972377777
+260963767287

www.wsdvalve.com
www.hawsd.com

Group headquarters: Central Plains E-Commerce Buliding, Zhengzhou South city, China
Branch Factory: Shanghai, Tianjin, Wenzhou, Hebei, Dalian
Branch Company in Overseas: Tanzania, Kenya in Africa

International Trading Department: +86-013849013722
Inland Trading Department: +86-0371-66266876

Micocheni, Dar-Es-Salaam, Tanzania, P.O.BOX3922

Mungwi Road(adjacent to check point), Lusaka, Zambia

weisidun@wsdvalve.com
weisidun@hawsd.com

WESDOM

Wesdom Water Meter

ABOUT US

WESDOM METERS





WESDOM Water Meter Branch Company--Lianyungang Water Meter Co.,Ltd. Located at the easten bridgehead of the EURO-ASIAN continental bridge-XinPu,the municipality of LianYunGang, LianYunGang water meter co.,Ltd (original: LianYunGang water meter factory established in 1966)with its area of 18351m^2 has more than 260 main production equipments and has about 420 employees in service.Its business covers many kinds of "WESDOM" brand water meters for domestic, agricultural and industrial services, complying with the standard GB/T778.1 ~ 3-1996 and ISO 4064. The company is also the big supplier of flow sensors for heat meters and water meters for IC card meters etc.

Through more than 40 years of hard working and experience, the "WESDOM"brand water meters has ranked in the leading position in water meter industrial for its super quality and services.The name of excellent quality product are many times awarded to "WESDOM" brand water meters by JiangSu province and machinery industry ministry for its high quality and excellent service.Its products are proposed and promoted to customers by the State Water Supply Dep.,and Jiangsu consumers association, and are well-saled in more than 20 provinces and cities in domestic and exported to more than 10 countries and regions in foreign markets.

With many years of production experience and market competition,the company has possessed a team of well-trained staffs and employees, and a complete set of advanced production and testing equipments. High efficiency management system and quality assurance system, ISO9001:2000 have been established in the company.

The company devoted to the products renewal,and self-development for the needs of the customers,and co-produce many kinds of electronic water meters with other electronic companies.Its all products can meet the needs of modern management of the residential block and has a bright tomorrow with social and economic benefits.

"Honest, strict, innovation and efficiency" is the policy of "WESDOM" mater meters. We are looking forward to contacting and cooperaton with all circles,and try our best to meet your special requirements in the water-metering industry,and supply you with our excellent quality products and services.

PROVIDING ALL YOUR METERING REQUIREMENTS

Our staff have unparalleled technical product knowledge.
This enables us to help you service your customer' metering needs with confidence.

- Mechanical type water meters: Multi-Jet, Single-Jet, Volumetric Piston type, Woltman type.
- Smart type water meters: AMR Wireless and Wired type, Prepaid type wwater meter.
- Electromagnetic flow meter with RS485 / M-Bus output.
- Ultrasonic flow meter and water meters.
- Water meter spare parts, like Mechanism, Counter, body, and accessories.
- Water meter box.
- Test bench.

MULTI-JET VANE WHEEL TYPE

Dry-dial Brass body water meters

It is a multi-jet dry type water meter for residential application in sizes 15mm-50mm for cold / hot water.

Features

- Magnetic Drive, Lower transmission resistance.
- Magnetic shield, for external magnetic field protection.
- Sealed dry register ensures long time clear reading.
- External regulating device.

Accressories: 2pcs coupling, 2pcs coupling nuts and 2pcs washers.

Standards Compliance

Technical data conform to international standard ISO 4064.

Optional Features

- Register sealed type: Dry type; Semi-dry type; Super-dry type.
- Accuracy: R=80 ; 100; 125; 160.
- Size: 15~50mm.
- Cold / hot water.
- Non return valve.
- Reed switch option.
- Several lengths and connections availavle on request.
- Thread end type: BSP / NPT.

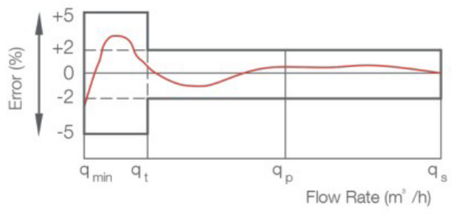
Working Conditions

- Water temperature: 0.1℃ ~40℃ for cold water meter.
- 0.1℃ ~90℃ for hot water meter.
- Water pressure: ≤1.6Mpa (16 bar).

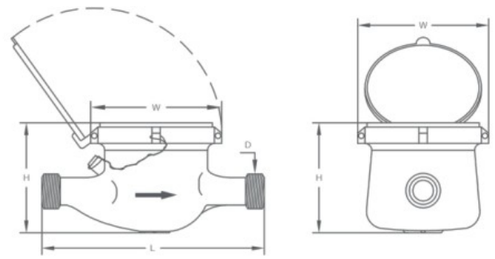
Maximum Permissible Error

- In the lower zone from qmin inclusive up to but excluding qt is ±5%.
- In the upper zone from qt inclusive up to and including qs is ±2%; ±3% for hot water meter.

Flow Error Curve



Overall Dimension And Weight



DN (mm)	15	20	25	32	40	50	50
Size (inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2"
Length (L)	165/190	190	260	260	300	300	280
Width (W)	99/104	98	103.5	103.5	125	125	160
Height (H)	116/121	117	124	124	162	162	187.5
Connecting Thread D	G3/4B	G1B	G11/4B	G11/2B	G2B	G21/2B	Flange end
Weight (kgs)	1.65	1.79	1.85	2.68	5.25	7.25	

Exploded View

Technical Data

DN (mm)		15	20	25	32	40	50
Size (inch)		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Q4(l/h)		3125	5000	7875	12500	20000	31250
Q3(l/h)		2500	4000	6300	10000	16000	25000
R=80	Q2 (l/h)	50	80	126	200	320	400
	Q1 (l/h)	31.25	50	78.75	125	200	250
R=100	Q2 (l/h)	40	64	100.8	160	256	400
	Q1 (l/h)	25	40	63	100	160	250
R=125	Q2 (l/h)	32	51.2	80.64	128	204.8	200
	Q1 (l/h)	20	32	50.5	80	128	
R=160	Q2 (l/h)	22.5	40	63	100	160	400
	Q1 (l/h)	15.62	25	39.37	62.5	100	250
Max. Reading (m3)		99,999	99,999	99,999	99,999	99,999	99,999
Min.Reading (Liter)		0.05	0.05	0.05	0.05	0.05	0.05
Max.Pressure (Bar)		16	16	16	16	16	16
Pressure Loss (⊿P)		63					
Max.Temperature		T=50 /90					
Pulse Output Option		Vmax=24V					
		Imax=100mA					
		Pmax=2W					

Pulse Output Option

Magnet Position	Liter /Pulse
* 0.0001	1
* 0.001	10
* 0.01	100
* 0.1	1000

Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters or parts discovered within this period shall be replaced without charge upon return to the WESDOM Meters.

WESDOM WATER METER

MULTI-JET VANE WHEEL TYPE

Dry-dial Plastic Body Water Meters

It is a multi-jet dry type water meter for residential application in sizes 15mm-50mm for cold water.

Features

- All the plastic raw material is 100% new material, not any second-hand material.
- High working pressure can afford PN16.
- Magnetic Drive, Lower transmission resistance.
- Magnetic shield, for external magnetic field protection.
- Sealed dry register ensures long time clear reading.
- External regulating device.

Accressories: 2pcs coupling, 2pcs coupling nuts and 2pcs washers.

Standards Compliance

Technical data conform to international standard ISO 4064.

Optional Features

- Register Sealed type: Dry type.
- Accuracy: R=80 ; 100.
- Size: 15~50mm.
- Non return valve.
- Reed switch option.
- Thread end type: BSP / NPT.

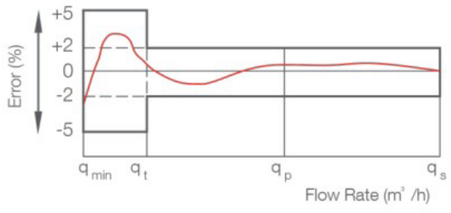
Working Conditions

- Water temperature: 0.1℃~40℃ for cold water meter.
- Water pressure : ≤1.6Mpa (16 bar).

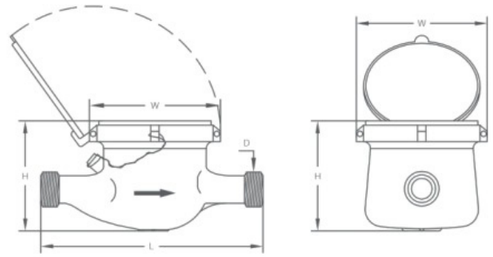
Maximum Permissible Error

- In the lower zone from qmin inclusive up to but excluding qt is ±5%.
- In the upper zone from qt inclusive up to and including qs is ±2%.

Flow Error Curve



Overall Dimension And Weight



DN (mm)	15	20	25	32	40	50	50
Size (inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	
Length (L)	165/190	190	260	260	300	300	280
Width (W)	99/104	98	103.5	103.5	125	125	160
Height (H)	116/121	117	124	124	162	162	187.5
Connecting Thread D	G3/4B	G1B	G11/4B	G11/2B	G2B	G21/2B	Flange connect
Weight (kgs)	1.65	1.79	1.85	2.68	5.25	7.25	

Exploded View

Technical Data

DN (mm)		15	20	25	32	40	50
Size (inch)		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Q4(l/h)		3125	5000	7875	12500	20000	31250
Q3(l/h)		2500	4000	6300	10000	16000	25000
R=80	Q2 (l/h)	50	80	126	200	320	400
	Q1 (l/h)	31.25	50	78.75	125	200	250
R=100	Q2 (l/h)	40	64	100.8	160	256	400
	Q1 (l/h)	25	40	63	100	160	250
Max. Reading (m3)		99,999	99,999	99,999	99,999	99,999	99,999
Min.Reading (Liter)		0.05	0.05	0.05	0.05	0.05	0.05
Max.Pressure (Bar)		16	16	16	16	16	16
Pressure Loss (⊿P)		63					
Max.Temperature		T=50					
Pulse Output Option		Vmax=24V					
		Imax=100mA					
		Pmax=2W					

Pulse Output Option

Magnet Position	Liter /Pulse
* 0.0001	1
* 0.001	10
* 0.01	100
* 0.1	1000

Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters or parts discovered within this period shall be replaced without charge upon return to the WESDOM Meters.

WESDOM WATER METER

MULTI-JET VANE WHEEL TYPE

Dry-dial 8 Rollers Water Meters

It is a multi-jet dry type water meter for residential application in sizes 15mm-20mm for cold / hot water.

Features

- Small register and body, Brass and cast iron body can be choose.
- Magnetic Drive, Lower transmission resistance.
- Magnetic shield, for external magnetic field protection.
- Sealed dry register ensures long time clear reading.
- External regulating device.

Accressories: 2pcs coupling, 2pcs coupling nuts and 2pcs washers.

Standards Compliance

Technical data conform to international standard ISO 4064.

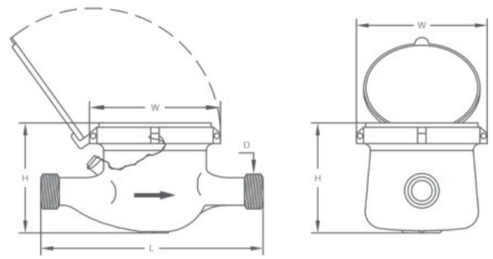
Optional Features

- Register Sealed type: Dry type.
- Accuracy: R=80.
- Size: 15~20mm.
- Cold / hot water.
- Non return valve.
- Reed switch option.
- Several lengths and connections availavle on request.
- Thread end type: BSP / NPT.

Working Conditions

- Water temperature: 0.1℃～40℃ for cold water meter.
- 0.1℃～90℃ for hot water meter.
- Water pressure : ≤1.6Mpa (16 bar).

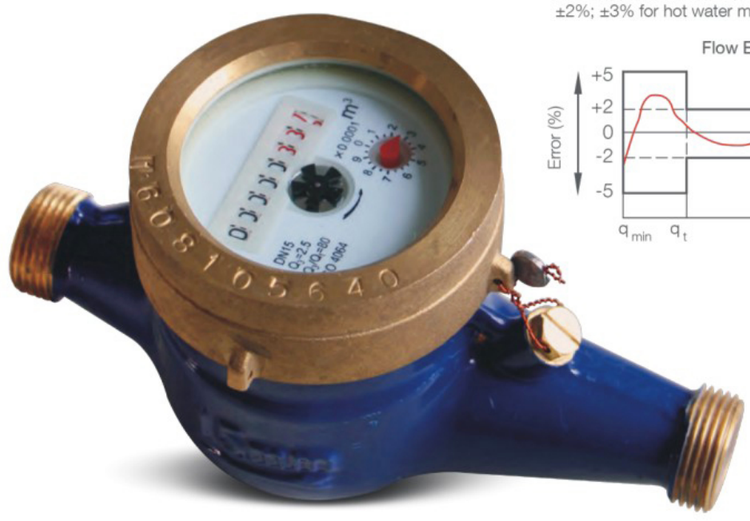
Overall Dimension And Weight



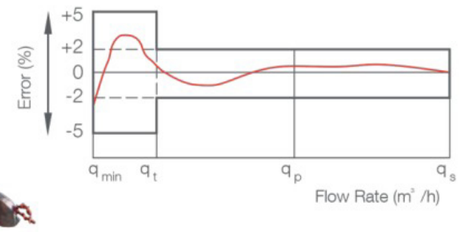
DN (mm)	15	20
Size (inch)	1/2"	3/4"
Length (L)	165	190
Width (W)	89	89
Height (H)	98	98
Connecting Thread D	G3/4B	G1B

Maximum Permissible Error

- In the lower zone from qmin inclusive up to but excluding qt is ±5%.
- In the upper zone from qt inclusive up to and including qs is ±2%; ±3% for hot water meter.



Flow Error Curve



Exploded View

Technical Data

DN (mm)		15	20
Size (inch)		1/2"	3/4"
Q4 (l/h)		3125	5000
Q3 (l/h)		2500	4000
R=80	Q2 (l/h)	50	80
	Q1 (l/h)	31.25	50
R=100	Q2 (l/h)	40	64
	Q1 (l/h)	25	40
Max. Reading (m3)		99,999	99,999
Min.Reading (Liter)		0.05	0.05
Max.Pressure (Bar)		16	16
Pressure Loss (⊿P)		63	
Max.Temperature		T=50 /90	
Pulse Output Option		Vmax=24V	
		Imax=100mA	
		Pmax=2W	

Pulse Output Option

Magnet Position	Liter /Pulse
* 0.0001	1

Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters or parts discovered within this period shall be replaced without charge upon return to the WESDOM Meters.

WESDOM WATER METER

MULTI-JET VANE WHEEL TYPE

Dry-dial Vertical Type Water Meters

It is a multi-jet dry type water meter for residential application in sizes 15mm-50mm for cold / hot water.

Features

- Magnetic Drive, Lower transmission resistance.
- Magnetic shield, for external magnetic field protection.
- Sealed dry register ensures long time clear reading.
- External regulating device.

Accressories: 2pcs coupling, 2pcs coupling nuts and 2pcs washers.

Standards Compliance

Technical data conform to international standard ISO 4064.

Optional Features

- Register Sealed type: Dry type; Super-dry type.
- Accuracy: R=80.
- Size: 15~50mm.
- Cold / hot water.
- Non return valve.
- Reed switch option.
- Several lengths and connections availavle on request.
- Thread end type: BSP / NPT.

Working Conditions

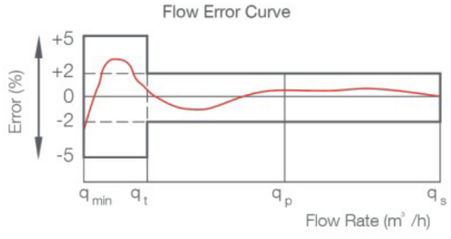
- Water temperature: 0.1℃～40℃ for cold water meter.
- 0.1℃～90℃ for hot water meter.
- Water pressure : ≤1.6Mpa (16 bar).

Installation Requirements

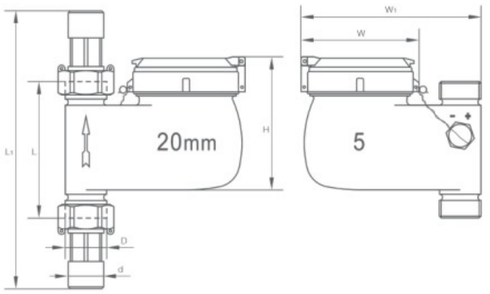
- The meter should be installed in vertical position with the direction of the flow as indicated by the arrow cast in the meter body with the register face upwards.
- Pipeling must be flushed before installation.
- The meter should be constantly full of water during operation.

Maximum Permissible Error

- In the lower zone from qmin inclusive up to but excluding qt is ±5%.
- In the upper zone from qt inclusive up to and including qs is ±2%; ±3% for hot water meter.



Overall Dimension And Weight



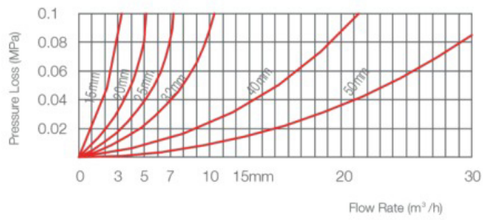
DN (mm)	15	20	25	32	40	50
Size (inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
L1	194	204	228	274	278	280
L	100	100	108	150	150	160
H	99.5	99.5	122.6	133.6	133.6	187.5
W1	133	137	166	220	228	
Connecting Thread D	G3/4B	G1B	G11/4B	G11/2B	G2B	Flange connect
d	R 1/2	R 3/4	R 1	R 1 1/4	R 1 1/2	

Exploded View

Technical Data

DN (mm)		15	20	25	32	40	50
Size (inch)		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Q4(l/h)		3125	5000	7875	12500	20000	31250
Q3(l/h)		2500	4000	6300	10000	16000	25000
R=80	Q2 (l/h)	50	80	126	200	320	400
	Q1 (l/h)	31.25	50	78.75	125	200	250
Max. Reading (m3)		99,999	99,999	99,999	99,999	99,999	99,999
Min.Reading (Liter)		0.05	0.05	0.05	0.05	0.05	0.05
Max.Pressure (Bar)		16	16	16	16	16	16
Pressure Loss (⊿P)		63					
Max.Temperature		T=50 /90					
Pulse Output Option		Vmax=24V					
		Imax=100mA					
		Pmax=2W					

Pressure Loss Curve



Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters or parts discovered within this period shall be replaced without charge upon return to the WESDOM Meters.

LXDG-15~25 5 Wheels

Single-jet, vane wheel, dry-dial water meter

This type of water meter can be used for a remote reading transmission system as equipped with a built-in sensor.

Application

Measuring the volume of cold potable water passing through the pipeline.

Features

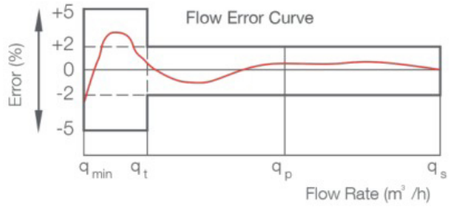
- Single-jet, dry-dial, free rotating register, small in size and light in weight.
- Magnetic drive, Resistance to exterior magnet interference.
- Keep the reading clear in a long term service.

Working Conditions

- Water temperature: 0.1℃～40℃ (0.1℃～90℃ for hot water meter).
- Water pressure: ≤1.0Mpa.

Maximum Permissible Error

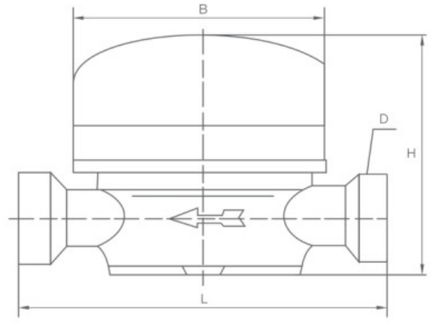
- In the lower zone from qmin inclusive up to but excluding qt is ±5%.
- In the upper zone from qt inclusive up to and including qs is ±2%.
- Hot water meter ±3%.



Optional Features

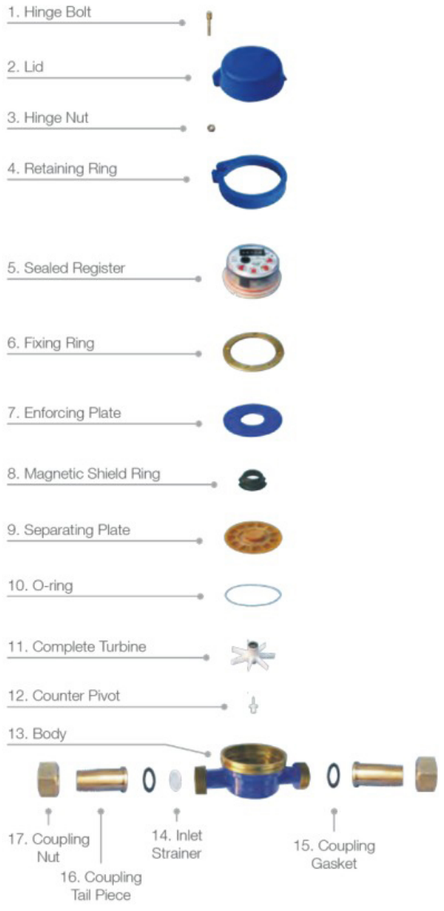
- Measuring accuracy conform to ISO 4064 class B standard.
- Available with different length on request.
- Body material: Brass / Plastic body.
- Register sealed: Dry-dial only.
- Size: 15-25mm.
- Cold/Hot water.
- Non-return valve.
- Reed switch option.
- Thread end type: BSP/NPT.

Dimensions



Type	Size	L Length	B Width	H Height	D Connecting Thread
	mm				
LXDG-15	15	110	82	89	G3/4B
LXDG-20	20	130	82	89	G1B
LXDG-25	25	130	82	89	G1¼B

Exploded View



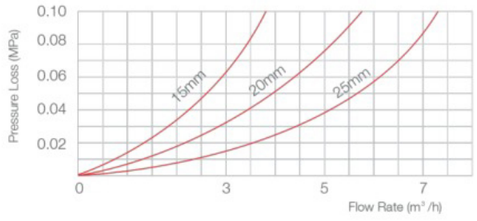
Technical Data

DN (mm)		15	20	25
Size (inch)		1/2"	3/4"	1"
Q4(l/h)		3125	5000	7875
Q3(l/h)		2500	4000	6300
R=80	Q2 (l/h)	50	80	126
	Q1 (l/h)	31.25	50	78.75
R=100	Q2 (l/h)	40	64	100.8
	Q1 (l/h)	25	40	63
R=125	Q2 (l/h)	32	51.2	80.64
	Q1 (l/h)	20	32	50.5
R=160	Q2 (l/h)	22.5	40	63
	Q1 (l/h)	15.62	25	39.37
Max. Reading (m3)		99,999	99,999	99,999
Min.Reading (Liter)		0.05	0.05	0.05
Max.Pressure (Bar)		16	16	16
Pressure Loss (⊿P)		63		
Max.Temperature		T=50 /90		
Pulse Output Option		Vmax=24V		
		Imax=100mA		
		Pmax=2W		

Pulse Output Option

Magnet Position	Liter /Pulse
* 0.0001	1
* 0.001	10
* 0.01	100
* 0.1	1000

Pressure Loss Curve



Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters or parts discovered within this period shall be replaced without charge upon return to the WESDOM Meters.

WESDOM WATER METER

LXDG-15M~20M

Single-jet, vane wheel, dry-dial water meter
(mini type with eight number wheels)

Application

Measuring the volume of cold potable water passing through the pipeline.

Features

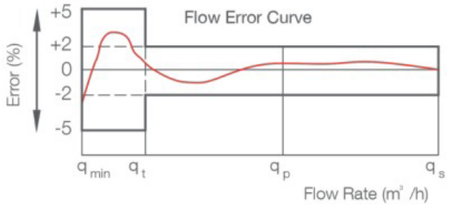
- Single-jet, dry-dial, free rotating register, small in size and light in weight.
- Magnetic drive, Resistance to exterior magnet interference.
- Keep the reading clear in a long term service.

Working Conditions

- Water temperature: 0.1℃～30℃.
- Water pressure: ≤1.0Mpa.

Maximum Permissible Error

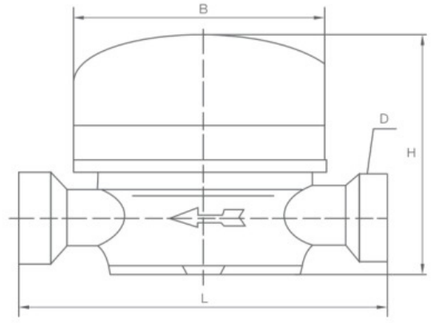
- In the lower zone from qmin inclusive up to but excluding qt is ±5%.
- In the upper zone from qt inclusive up to and including qs is ±2%.



Optional Features

- Measuring accuracy conform to ISO 4064 class B standard.
- Available with different length on request.
- Body material: Brass / Plastic body.
- Register sealed: Dry-dial only.
- Size: 15-25mm for Brass body, 15-20 for plastic body.
- Cold/Hot water.
- Non-return valve.
- Reed switch option.
- Thread end type: BSP/NPT.

Dimensions



Type	Size	L Length	B Width	H Height	D Connecting Thread
	mm				
LXDG-15	15	110	67.5	72	G3/4B
LXDG-20	20	130	67.5	73.5	G1B

Exploded View

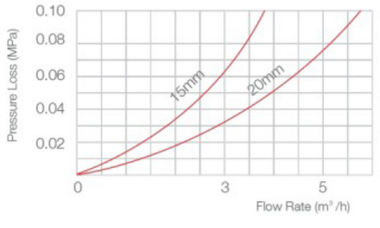
Technical Data

DN (mm)		15	20
Size (inch)		1/2"	3/4"
Q4(l/h)		3125	5000
Q3(l/h)		2500	4000
R=80	Q2 (l/h)	50	80
	Q1 (l/h)	31.25	50
R=100	Q2 (l/h)	40	64
	Q1 (l/h)	25	40
Max. Reading (m3)		99,999	99,999
Min.Reading (Liter)		0.05	0.05
Max.Pressure (Bar)		16	16
Pressure Loss (⊿P)		63	
Max.Temperature		T=50 /90	
Pulse Output Option		Vmax=24V	
		Imax=100mA	
		Pmax=2W	

Pulse Output Option

Magnet Position	Liter /Pulse
* 0.0001	1

Pressure Loss Curve



Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters or parts discovered within this period shall be replaced without charge upon return to the WESDOM Meters.

WESDOM WATER METER

LXHY-15~40

Rotary Piston Liquid Sealed Water Meter

This type of water meter can be used for a remote reading transmission system is equipped with a built-in sensor.

Application

Measuring the volume of cold portable water passing through the pipeline. Also suitable for pure water.

Operating Condition

- The Max.Admissible water pressure 1.6MPa.
- Resisting water temperature: 50 C .

Features

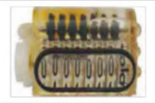
- Low start-up flow rate.
- Volumetric rotary piston principle of measurement.
- LXHY-15～20 is no location limitation for installation. Accuracy is not to be affected wherever installed at a horizontal, vertical or inclined pipeline.
- Register is sealed with a special liquid to keep a clear reading in long term service.
- Mechanism use of high-quality material to ensure a stable characteristic.
- Accurate measurement with conformity to ISO 4064 class C.
- On request, the series can be equipped with a kind of remote transmission device.

Pulse Position

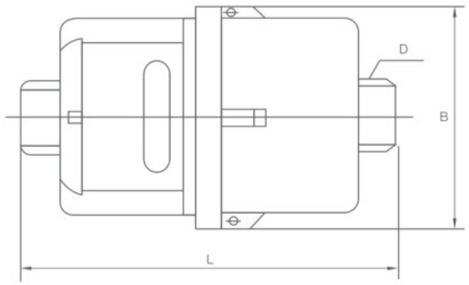
Magnet Position	Liter / Pulse
* 0.0001	1
*0.001	10

Note

- Body material: Brass body / Plastic body.
- Size: Plastic body: DN15-20; Brass body: DN15-40.
- Different register can be choose:

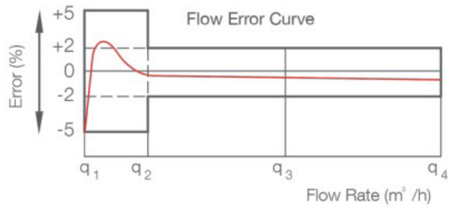
Dial Picture	Measure Unit
	Measure Unit: CBM 8 Wheels Four red, four white wheel. The minimum reading: 1L
	Measure Unit: CBM 8 Wheels Three red, five white wheel. The minimum reading: 10L
	Measure Unit:UK Gallon 8 Wheels One red, seven white wheel The minimum reading: 1 UK/Gallon
	Measure Unit:UK Gallon 8 Wheels All white wheel The minimum reading: 10 UK Gallon
	Measure Unit:US Gallon 8 Wheels One red, three black, four white wheel The minimum reading: 1 US Gallon

Dimensions



Description	Unit	Hydraulic Data And Dimensions				
Nominal Size	mm (inch)	DN15 (1/2)	DN20 (3/4)	DN25 (1)	DN32 (1-1/4)	DN40 (1-1/2)
Q_4 Error Limit ±2%	m^3/h	3.125	5	7.875	12.5	20
Q_3 Error Limit ±2%	m^3/h	2.5	4.0	6.3	10	16
Q_2 Error Limit ±2%	l/h	25	40	63	100	160
Q_1 Error Limit ±5%	l/h	15.6	25	39.4	62.5	100
Min.Reading	l	0.05	0.05	0.05	0.5	0.5
Max.Reading	m^3	9999.9999	9999.9999	9999.9999	99999.999	99999.999
MAP	MPa	1.6	1.6	1.6	1.6	1.6
Press Loss ΔP AT Q^3	MPa	≤0.063	≤0.063	≤0.063	≤0.063	≤0.063
L	mm	195	267	319	384	428
I	mm	115	165	199	260	300
B	mm	43	43	53	60	77
Weight Without Connections	Kg	1.14	1.56	2.48	3.47	5.65
Weight With Connections	Kg	0.97	1.3	2.05	2.75	4.7

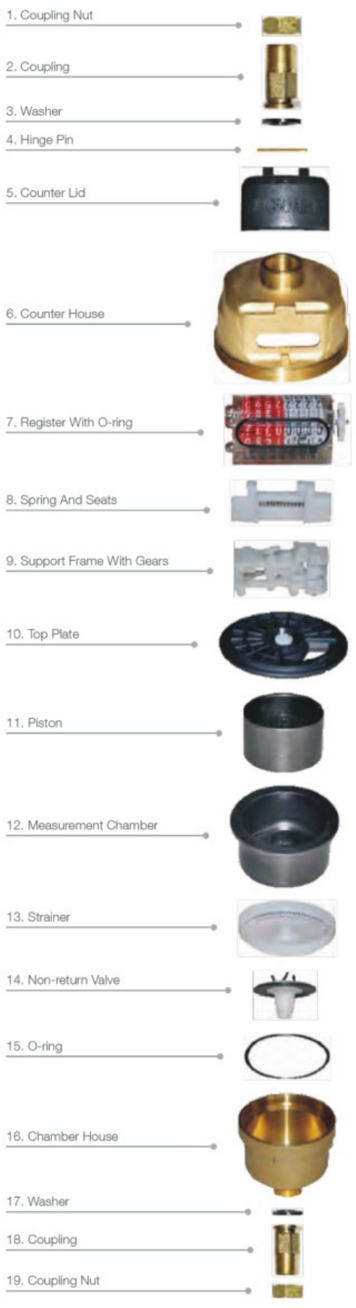
Maximum Permissible Error



Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters or parts discovered within this period shall be replaced without charge upon return to the WESDOM Meters.

Exploded View



LXLC(R)-50~300(mm)

Removable element woltman cold (hot) water meter

This type of water meter can be used for a remote reading transmission system is equipped with a built-in sensor.

Application

Measuring the volume of cold (hot) water passing through the pipeline.

Features

- Removable element structure, easy installation and maintenance, register for universal use within this range detachable without Removing the meter from the pipeline.
- Dry-dial, Magnetic drive sensitive action, small pressure loss.
- Vacuum sealed register ensures the dial keep free from fog and Keep the reading clear in a long term service.
- Selected high quality materials for steady & reliable charac teristic.
- Technical data conform to international standard ISO 4064.

Optional Features

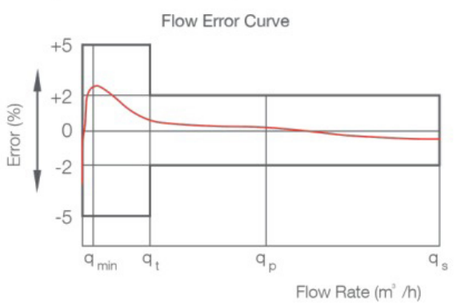
- Plastic register, copper register and full glass register.
- Accuracy: R=50/80.
- Size: DN50-500mm.
- Cold / Hot water.
- Reed switch option.
- Flange standard can be choose.
- 360 degree rotate can be choose.
- Cast iron, Ductile iron, SS304,SS316 body can be choose.
- Working pressure: PN16/25.
- Color can be change on body and cover.

Working Condition

- Water temperature: 0.1℃～40℃ (0.1℃～90℃ for hot water meter).
- Water pressure: PN10/16/25.

Maximum Permissible Error

- In the lower zone from qmin inclusive up to but excluding qt is ±5%.
- In the upper zone from qt inclusive up to and including qs is ±2% (±3% for hot water meter).

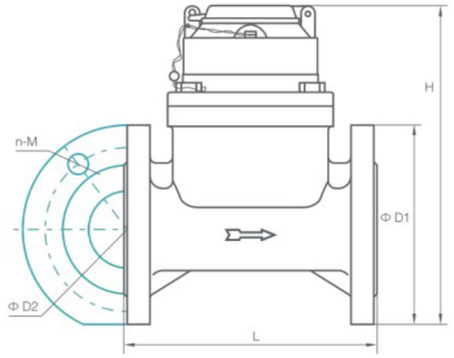



Common Plastic Register


Copper Register


Full Glass Register

Dimensions



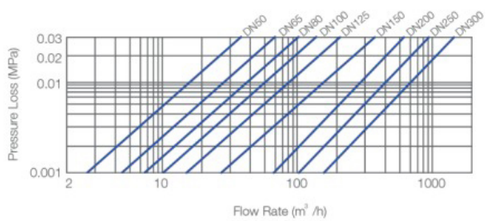
Type	Size	L Length	H Height	Connecting Flange		
	mm			ΦD1 Outside Diameter	ΦD2 Bolt Circle Diameter	Connecting Bolts (n-M)
LXLC-50	50	200	261	165	125	4-M16
LXLC-65	65	200	271	185	145	4-M16
LXLC-80	80	225	279	200	160	8-M16
LXLC-100	100	250	289	220	180	8-M16
LXLC-125	125	250	299	250	210	8-M16
LXLC-150	150	300	319	285	240	8-M20
LXLC-200	200	350	346	340	295	8-M20(1.0DE)
						12-M20(1.6MPa)
LXLC-250	250	450	450	395(1.0MPa)	350(1.0MPa)	12-M20(1.0MPa)
				405(1.6MPa)	355(1.6MPa)	12-M24(1.6MPa)
LXLC-300	300	500	478	445(1.0MPa)	400(1.0MPa)	12-M20(1.0MPa)
				460(1.6MPa)	410(1.6MPa)	12-M24(1.6MPa)

NOTE: The flange dimension conforms to ISO7005-2:1988 standard. Order for products of special requirements is also accepted.

Pulse Position

Size	Pulse Position
DN50-65	10/100/1000L/Pulse
DN80-200	100/1000L/Pulse
DN250-300	1000L/Pulse

Pressure Loss Curve



Exploded View

WESDOM WATER METER

Flow Technique Specification

Nominal Flow	Maximum Flow Q_4	Permanent Flow Q_3	Q_3 /Q_1	Q_2 /Q_1	Transitional Flow Q_2	Minimum Flow Q_1	Minimum Reading		Maximum Reading	
							Full Glass Seal	Common Seal	Full Glass Seal	Common Seal
DN	m^3/h				m^3/h		m^3			
50	31.3	25	50	1.6	0.8	0.5	0.0005	0.0002	999,999	999,999
				4	2					
	50	40	80	1.6	0.8	0.5				
				4	2					
65	50	40	50	1.6	1.3	0.8	0.0005	0.0002	999,999	999,999
				4	3.2					
			80	1.6	0.8	0.5				
				4	2					
80	78.8	63	50	1.6	2	1.3	0.002	0.002	999,999	9,999,999
				4	5					
			80	1.6	1.3	0.8				
				4	3.2					
100	125	100	50	1.6	3.2	2	0.002	0.002	999,999	9,999,999
				4	8					
			80	1.6	2	1.3				
				4	5					
125	200	160	50	1.6	4	3.2	0.002	0.002	999,999	9,999,999
				4	12.8					
			80	1.6	3.2	2				
				4	8					
150	312.5	250	50	1.6	8	5	0.002	0.002	999,999	9,999,999
				4	20					
			80	1.6	5	3.1				
				4	12.4					
200	500	400	50	1.6	12.8	8	0.002	0.002	999,999	9,999,999
				4	32					
			80	1.6	8	5				
				4	20					
250	787.5	630	25	1.6	40.3	25.2	0.02	0.02	9,999,999	99,999,999
				4	100.8					
			50	1.6	20	12.6				
				4	50.4					
300	1250	1000	25	1.6	64	40	0.02	0.02	9,999,999	99,999,999
				4	160					
			50	1.6	32	20				
				4	80					

Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters or parts discovered within this period shall be replaced without charge upon return to the WESDOM Meters.

LXXG(R)-50~300(mm)

Irrigation Horizontal vane wheel, dry-dial cold (hot) water meter

This type of water meter can be used for a remote reading transmission system as equipped with a built-in sensor.

Application

Measuring the volume of cold (hot) water passing through the pipeline.

Features

- Removable element structure, easy installation and maintenance.
- Dry-dial, Magnetic drive.
- Large flow capacity, small pressure loss.
- Resist water hummer and pollution.
- Vacuum sealed register ensures the dial keep free from condensation and keep the reading clear in a long term service.
- Selected high quality materials for steady and reliable characteristic.
- Technical data conform to international standard ISO 4064.

Optional Features

- Plastic register, copper register and full glass register.
- Accuracy: R=20.
- Size: DN50-300mm.
- Cold / Hot water.
- Reed switch option.
- Flange standard can be choose.
- 360 degree rotate can be choose.
- Cast iron, Ductile iron, SS304,SS316 body can be choose.
- Working pressure: PN16/25.

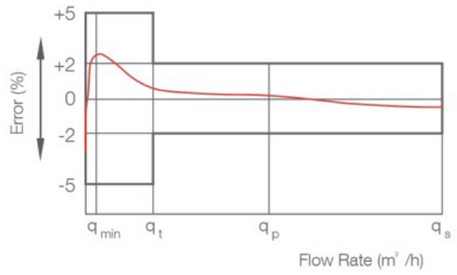
Working Condition

- Water temperature: 0.1℃~50℃ (0.1℃~90℃ for hot water meter).
- Water pressure: ≤1.0Mpa (1.6MPa on request).

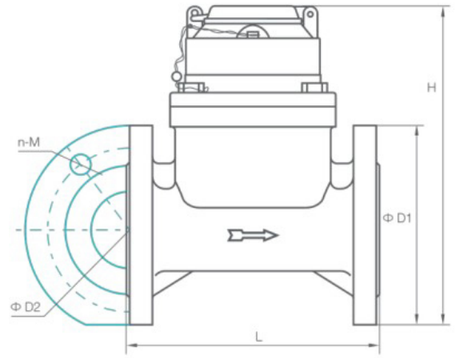
Maximum Permissible Errors

- In the lower zone from qmin inclusive up to but excluding qt is ±5%.
- In the upper zone from qt inclusive up to and including qs is ±2% (±3% for hot water meter).

Flow Error Curve



Dimensions



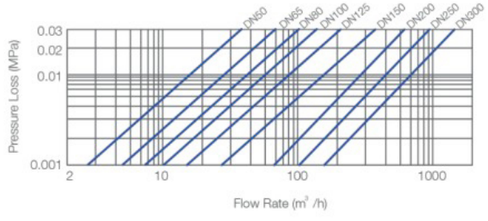
Type	Size	L Length	H Height	Connecting Flange		
	mm			ΦD1 Outside Diameter	ΦD2 Bolt Circle Diameter	Connecting Bolts (n-M)
LXXG-50	50	200	253	165	125	4-M16
LXXG-65	65	200	268	185	145	4-M16
LXXG-80	80	225	284	200	160	8-M16
LXXG-100	100	250	295	220	180	8-M16
LXXG-125	125	250	310	250	210	8-M16
LXXG-150	150	300	339	285	240	8-M20
LXXG-200	200	350	382	340	295	8-M20(1.0MPa)
						12-M20(1.6MPa)
LXXG-250	250	400	433	395	350	12-M20(1.0MPa)
		450	438	405	355	12-M24(1.6MPa)
LXXG-300	300	450	483	445	400	12-M20(1.0MPa)
		500	488	460	410	12-M24(1.6MPa)

NOTE: The flange dimension conforms to ISO7005-2:1988 standard. Order for products of special requirements is also accepted.

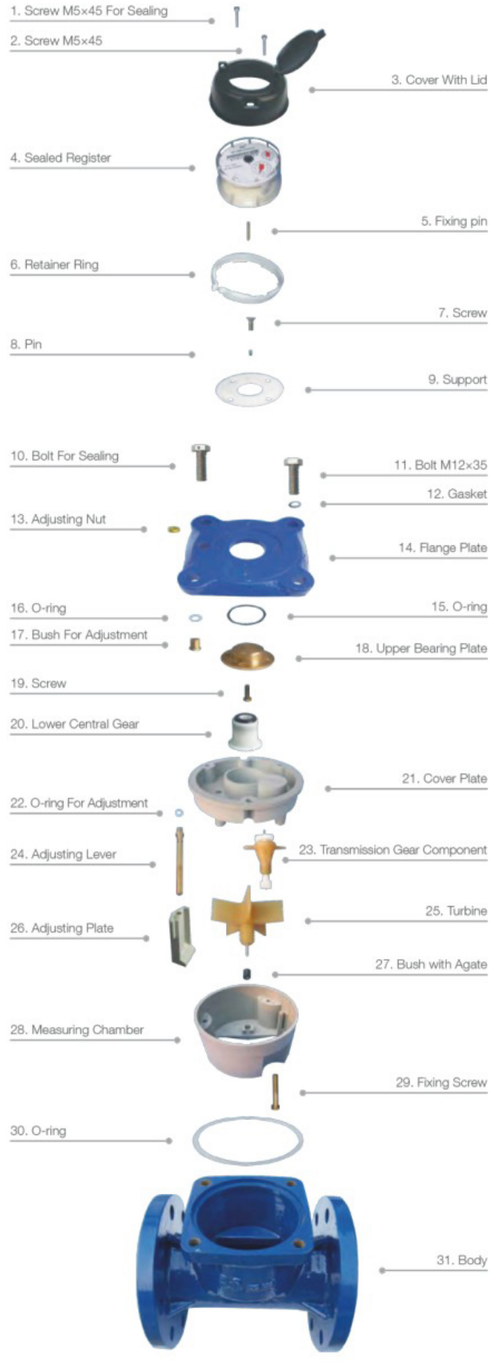
Pulse Position

Size	Pulse Position
DN50-200	100/1000L/Pulse
DN250-300	1000L/Pulse

Pressure Loss Curve



Exploded View



Flow Technique Specification

Nominal Flow	Maximum Flow Q_4	Permanent Flow Q_3	Q_3/Q_1	Q_2/Q_1	Maximum Flow Q_2	Permanent Flow Q_1	Minimum Reading		Maximum Reading	
							Full Glass Seal	Common Seal	Full Glass Seal	Common Seal
DN	m^3/h				m^3/h		m^3			
50	31.25	25	50	1.6	1.6	1	0.0005	0.0002	999,999	999,999
				4	4					
65	50	40	25	1.6	2.6	1.6	0.002	0.002	999,999	9,999,999
				4	6.4					
80	78.8	63	25	1.6	4	2.5	0.002	0.002	999,999	9,999,999
				4	10					
100	125	100	25	1.6	6.4	4	0.002	0.002	999,999	9,999,999
				4	16					
125	200	160	25	1.6	10.2	6.4	0.002	0.002	999,999	9,999,999
				4	25.6					
150	312.5	250	25	1.6	16	10	0.002	0.002	999,999	9,999,999
				4	40					
200	500	400	25	1.6	25.6	16	0.002	0.002	999,999	9,999,999
				4	64					
250	787.5	630	25	1.6	40.3	25.2	0.02	0.02	9,999,999	99,999,999
				4	100.8					
300	1250	1000	25	1.6	64	40	0.02	0.02	9,999,999	99,999,999
				4	160					

Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters or parts discovered within this period shall be replaced without charge upon return to the WESDOM Meters.

WESDOM WATER METER

FULL GLASS SEALED REGISTER TYPE WATER METER

Suitable for all large caliber dry-dial water meters.

Application

Measuring the volume of cold (hot) water passing through the pipeline.

Optional Features

- Accuracy: R=50/80
- Size: DN50-300mm
- Cold / Hot water
- Reed switch option
- Cast iron, Ductile iron, SS304,SS316 body can be choose.
- Working pressure: PN16/25
- Color can be change on body and cover.

Feature

- Never have mist, without any block when reading the counter.
- It make by special material, with good performance on anti-magnetism avoid, and more higher mechanical strength.
- Special appearance, more beautiful and with position to pulse.
- 7 digit wheel + 2 pointer on the counter, the maxi reading is 9,999,999m .
- Excellent sealed function, it can avoid condensation and mist, keep long time clear reading.
- It very suitable for moist and temperature difference big country and region.
- Suitable for all large caliber dry-dial water meters.

LXLC(R)-350~600(mm)

Removable element woltman cold (hot) water meter

This type of water meter can be used for a remote reading transmission system as equipped with a built-in sensor.

Application

Measuring the volume of cold (hot) water passing through the pipeline.

Features

- Removable element structure, easy installation and mainte nance, register for universal use within this range detachable without Removing the meter from the pipeline.
- Dry-dial, Magnetic drive sensitive action, small pressure loss.
- Vacuum sealed register ensures the dial keep free from fog and Keep the reading clear in a long term service.
- Selected high quality materials for steady & reliable charac teristic.
- Technical data conform to international standard ISO 4064.

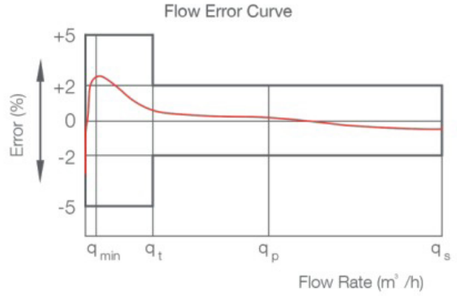
Working Condition

- Water temperature: 0.1℃~50℃ (0.1℃~90℃ for hot water meter).
- Water pressure: ≤1Mpa (1.6MPa for special requirement).

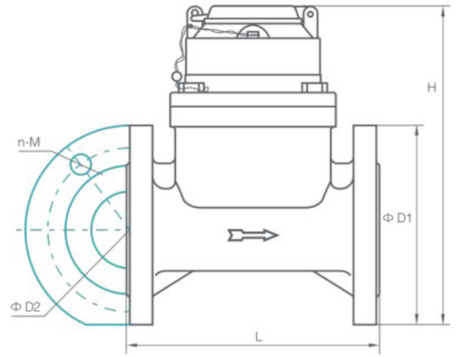
Maximum Permissible Errors

- In the lower zone from qmin inclusive up to but excluding qt is ±5%.
- In the upper zone from qt inclusive up to and including qs is ±2% (±3% for hot water meter).

Flow Error Curve



Dimensions



Type	Size	L Length	H Height	Connecting Flange			
	mm			ΦD1 Outside Diameter	ΦD2 Bolt Circle Diameter	Connecting Bolts(n-M)	Working Pressure (MPa)
LXLC -350	350	500	590	505	460	16-M20	1.0
				520	470	16-M24	1.6
				555	490	16-M30	2.5
LXLC -400	400	600	660	565	515	16-M24	1.0
				580	525	16-M27	1.6
				620	550	16-M33	2.5
LXLC -450	450	600	700	615	565	20-M24	1.0
				640	585	20-M27	1.6
				670	600	20-M33	2.5
LXLC -500	500	800	760	670	620	20-M24	1.0
				715	650	20-M30	1.6
				730	660	20-M33	2.5
LXLC -600	600	500 Or 800	880	780	725	20-M27	1.0
				840	770	20-M33	1.6
				845	770	20-M36	2.5

NOTE: The flange dimension conforms to ISO7005-2:1988 standard. Order for products of special requirements is also accepted.

Main Technical Specifications

Type	Size (mm)	Class	q_s Overload Flow	q_p Permanent Flow	q_t Transitional Flow	q_{min} Min. Flow	Min. Reading	Max. Reading
			m^3/h				m^3	
LXLC -350	350	A	1600	800	240	64	0.02	999,999,999
		B			160	24		
LXLC -400	400	A	2000	1000	300	80	0.02	999,999,999
		B			200	30		
LXLC -450	450	A	2000	1000	300	80	0.02	999,999,999
		B			200	30		
LXLC -500	500	A	3000	1500	450	120	0.02	999,999,999
		B			300	45		
LXLC -600	600	A	6000	3000	900	240	0.02	999,999,999
		B			600	90		

Exploded View

Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters or parts discovered within this period shall be replaced without charge upon return to the WESDOM Meters.

LXCLG(R)-50~200(mm)

Vertical removable element woltman cold (hot) water meter

This type of water meter can be used for a remote reading transmission system as equipped with a built-in sensor.

Application

Measuring the volume of cold (hot) water passing through the pipeline.

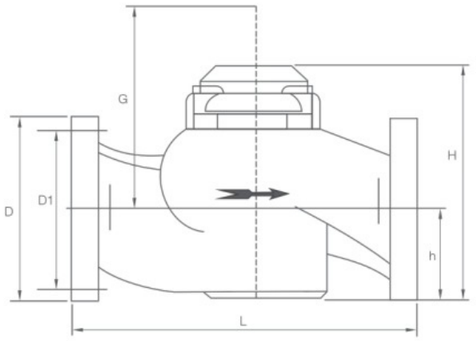
Feature

- Removable element structure, easy installation and maintenance, register for universal use within this range detachable without Removing the meter from the pipeline.
- Dry-dial, Magnetic drive sensitive action, small pressure loss.
- Vacuum sealed register ensures the dial keep free from fog and Keep the reading clear in a long term service.
- Selected high quality materials for steady & reliable characteristic.
- Technical data conform to international standard ISO 4064.

Working Condition

- Water temperature: 0.1℃~40℃ (0.1℃~90℃ for hot water meter).
- Water pressure: ≤1Mpa (1.6MPa for special requirement).

Dimensions



Type	Length	Height			Connecting Flange		
	L	H	h	G	ΦD1 Outside Diameter	ΦD2 Bolt Circle Diameter	Connecting Bolts (n-M)
	mm						
40	280	228	85	268	150	110	4-M16
	245	218	75	260	Thread end G2B		
50	280	228	85	268	165	125	4-M16
80S	225	282	103	344	200	160	8-M16
80	370						
100S	250	303	116	350	220	180	8-M16
100	370						
150	500	430	155	565	285	240	8-M20
200	500	505	190	384	340	295	8-M20 12-M20 (MAP16)

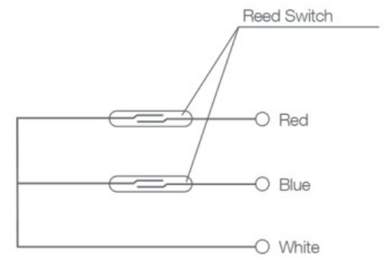
NOTE: The flange dimension conforms to ISO7005-2:1988 standard. Order for products of special requirements is also accepted.

WESDOM WATER METER

Flow Technique Specification

Type	Maximum Flow Q_4	Permanent Flow Q_3	Q_3/Q_1	Q_2/Q_1	Maximum Flow Q_2	Permanent Flow Q_1	Max. Reading	Min. Reading	
	m^3/h				m^3/h			Full Glass Register	Plastic Register
								m^3	
40	50	40	160	1.6	0.4	0.25	999999	0.0005	0.0002
				6.3	1.6				
			200	1.6	0.32	0.2			
				6.3	1.26				
50	50	40	160	1.6	0.4	0.25	999999	0.0005	0.0002
				6.3	1.6				
			200	1.6	0.32	0.2			
				6.3	1.26				
80	78.8	63	160	1.6	0.64	0.4	999999	0.0005	0.0002
				6.3	2.5				
			200	1.6	0.5	0.32			
				6.3	2				
100	125	100	160	1.6	1	0.63	999999	0.0005	0.0002
				6.3	3.94				
			200	1.6	0.8	0.5			
				6.3	3.2				
150	313	250	160	1.6	2.56	1.6	999999	0.0005	0.0002
				6.3	10				
			200	1.6	2	1.25			
				6.3	7.9				
200	500	400	160	1.6	4	2.5	999999	0.0005	0.0002
				6.3	16				
			200	1.6	3.2	2			
				6.3	12.6				

The Operation Description Of The Two Reed Switches System



Please see the diagram of the two reed switches system below, the two reed switches woud be operated “ON” OR”OFF” respectively by the magnet fitted to the pointer or gear during its running on the register, but never “ON” at the same time ,unless the out- magnet attackes.

The two reed switches operate two “ON” and two “OFF” in one round of the pointer or the gear means one signal output, this principle prevent the loss or overcounting of the signal output due to the switches joggling or the pipe vibrating, so assures reliability of the signal output.

Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters or parts discovered within this period shall be replaced without charge upon return to the WESDOM Meters.

PHOTOELECTRIC DIRECT READING WATER METER

DN15-50

Features

- Through the coding and decoding table word round will count "direct reading" came out, a word on the physical location of wheel digital compiled.
- The system (or handwritten device) reading list to transfer within a table, need not battery, also do not need the power to maintain data.
- And decoder meter reading instant complete decoding, send out data, the output of the table and the Numbers of the table ZiPan reading without deviation, shaking, backflow, strong magnetic interference can influence the decoding readings.
- Table has unique identity code, namely table address (the factory Numbers) : eight or 12 or 14 digits a.
- Through the bus remote transmission dosage information and other information.
- And integration, to provide RS-485 / MBUS bus transmission, can work alone can also component network system, information from the special handwritten copy read or system alone networking copy read.
- "0" power consumption, lower failure rate, longer life.
- Intelligent electronic unit completely sealed in the counter, and water isolation from the outside world water and moisture erosion.

Standards Compliance

- ISO 4064 Class B for horizontal Installation.
- <Electronic remote-reading water meter>(CJ/T 224-2012).

Working Conditions

- Water temperature: 0.1℃~+50℃.
- Water pressure:≤1.6 MPa.

Technical Parameters

Item	Communication Mode	RS-485	MBUS
1	Working voltage	9V～15V	24V～42V
2	Static current	≤1mA	≤2mA
3	Wording current	≤5mA	≤10mA
4	Communication protocol	DL/T645, CJ/T 188 (or customer requirements)	
5	Communication rate	1200/2400Baud	

Multi-jet Vane Wheel Type Water Meters

Type	Size (mm)	Class	q_s Overload Flow	q_p Permanent Flow	q_t Transitional Flow	q_{min} Minimum Flow	Minimum Reading	Maximum Reading
			m^3/h		L/h		m^3	
LXSG-15	15	B	3	1.5	120	30	0.00005	99,999
LXSG-20	20	B	5	2.5	200	50	0.00005	99,999
LXSG-25	25	B	7	3.5	280	70	0.00005	99,999
LXSG-32	32	B	12	6.0	480	120	0.00005	99,999
LXSG-40	40	B	20	10	800	200	0.00005	99,999
LXSG-50	50	B	30	15	3000	450	0.00005	99,999

■ Maximum Permissible Error (Cold Water)

- In the lower zone from Qmin inclusive up to but excluding Qp is ±5%.
- In the upper zone from Qp inclusive up to and including Qs is ±2%.

■ Dimensions

Type	Size	L Length	B Width	H Height	d Connecting Thread
		mm			
LXSG-15	15	165	98	116	G3/4B
LXSG-20	20	190	98	117	G1B
LXSG-25	25	260	103.5	124	G1¼B
LXSG-32	32	260	103.5	124	G1½B
LXSG-40	40	300	125	162	G2B
LXSG-50	50	300	125	162	G2½B
		280	160	187.5	Flange connect ISO 7005-2:1988 φD=125

Single-jet, Vane Wheel Type

Type	Size (mm)	Class	q_s Overload Flow	q_n Permanent Flow	q_t Transitional Flow	q_{min} Minimum Flow	Minimum Reading	Maximum Reading
			m^3/h				m^3	
LXDG-15/ZD	15	B	3.0	1.5	0.12	0.03	0.0001	99,999
LXDG-20/ZD	20		5.0	2.5	0.2	0.05	0.0001	99,999

■ Maximum Permissible Error (Cold Water)

- In the lower zone from Qmin inclusive up to but excluding Qp is ±5%.
- In the upper zone from Qp inclusive up to and including Qs is ±2%.

■ Dimensions

Type	Size	Length	Width	Height	Connecting Thread
	mm				
LXDG-15/ZD	15	110	67.5	72	G3/4B
LXDG-20/ZD	20	130	67.5	73.5	G1B

Bulk Water Meters

Type	Size (mm)	Class	q_s Overload Flow	q_n Permanent Flow	q_t Transitional Flow	q_{min} Minimum Flow	Minimum Reading	Maximum Reading
			m^3/h				m^3	
LXLC-50/ZD	50	A	30	15	4.5	1.2	0.0002	99,999
		B			3.0	0.45		
LXLC-65/ZD	65	A	50	25	7.5	2.0	0.0002	99,999
		B			5	0.75		
LXLC-80/ZD	80	A	80	40	12	3.2	0.002	99,999
		B			8.0	1.2		
LXLC-100/ZD	100	A	120	60	18	4.8	0.002	99,999
		B			12	1.8		
LXLC-125/ZD	100	A	200	100	30	8	0.002	99,999
		B			20	3		
LXLC-150/ZD	150	A	300	150	45	12	0.002	99,999
		B			30	4.5		
LXLC-200/ZD	200	A	500	250	75	20	0.002	99,999
		B			50	7.5		
LXLC-250/ZD	250	A	800	400	120	32	0.002	99,999
		B			80	12		
LXLC-300/ZD	300	A	1200	600	180	48	0.02	99,999
		B			120	18		

■ Maximum Permissible Error

Cold Water

- In the lower zone from Qmin inclusive up to but excluding Qt is ±5%.
- In the upper zone from Qt inclusive up to and including Qs is ±2%.

Hot Water

- In the lower zone from Qmin inclusive up to but excluding Qt is ±5%.
- In the upper zone from Qt inclusive up to and including Qs is ±3%.

■ Dimensions And Weigts

Type	Size	L Length	H Height	Connecting flange ΦD1 Outside diameter	ΦD2 Bolt circle diameter	Connecting Bolts (n-M)
		mm				
LXLC-50/ZD	50	200	261	165	125	4-M16
LXLC-65/ZD	50	200	261	165	125	4-M16
LXLC-80/ZD	80	225	279	200	160	8-M16
LXLC-100/ZD	100	250	289	220	180	8-M16
LXLC-125/ZD	125	250	299	250	210	8-M16
LXLC-150/ZD	150	300	319	285	240	8-M20
LXLC-200/ZD	200	350	346	340	295	8-M20(1.0MPa)
						12-M20(1.6MPa)
LXLC-250/ZD	250	400	434	395	350	12-M20(1.0MPa)
		450	434	405	355	12-M24(1.6MPa)
LXLC-300/ZD	300	450	459	445	400	12-M20(1.0MPa)
		500	459	460	410	12-M24(1.6MPa)

Installation Requirement

- The meter should be installed in horizontal position with the direction of the flow as in dicated by the arrow cast in the meter body with the register face upwards.
- Pipeline must be flushed before installation.
- The meter should be constantly full of water during operation.
- The meter must have 10 diameters straight pipe ahead of the meter and 5 diameters straight pipe after to insure proper flow through the meter.

Lead The Definition

RS-485 M-BUS

Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters or parts discovered within this period shall be replaced without charge upon return to the WESDOM Meters.

INTRODUCTION OF COMPLETE ELECTRONICAL WATER METER

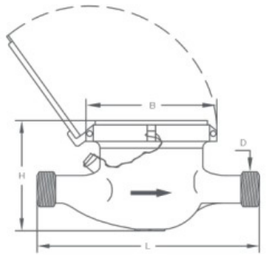
Function

- Whole water meter has only one movable part of impeller, it greatly reduces mechanical wear and prolongs the working life.
- Increase much of the sensitivity of measurement, solve the problem of small flow measurement of mechanical water meter, range ratio reaches R200, range ratio of some diameters can be made larger.
- Optimized error curve of water meter by piecewise linear , measurement accuracy is more high.
- Reading display of digital LCD , indicate accurate information correctly.
- No magnetic design of whole water meter, avoid magnetic-field interference.
- Prompt and accurate measurement of the retrorse water flow.
- Display function of instantaneous flow, may be calibrated on-site.
- Modular design, easy to install and maintain.
- Automatic processing different price of using water.
- Combine with valve , realize the function of prepaid and remote control.
- Automatic storage of historical data of using water.
- Output Model: M-BUS\MOD-MUS\RS485.
- Automatically upload data on specified date .
- Protection grade: IP68.

Technical Parameters

- Quiescent current: 6μA
- Dynamic working current: 9μA
- Communication working current: 500μA
- Continuous working time: 6 years, 70% of remaining power
- Power supply: 3.6V
- Working temperature: -10~50℃
- Storage temperature: -10~60℃

Dimension



Type	Size	Length L	Width B	Height H	Connecting flange
	mm				
LXSG-15/ED	15	165	98	107.5	G3/4B
LXSG-20/ED	20	190/195	98	109	G1B
LXSG-25/ED	25	225/260	103.5	115	G1¼B
LXSG-32/ED	32	230/260	103.5	115	G1½B
LXSG-40/ED	40	300	125	156	G2B
		300	125	156	G2½B
LXSG-50/ED	50	280	165	181	Flange connect ISO 7005-2:1988 ΦD=125

Specifications

Type	Size	Q4	Q3	Q3/Q1	Q2	Q1	Min Reading	Max Reading
		m^3/h			L / h		m^3	
LXSG-15/ED	15	3.125	2.5	160	156	156	0.01	999999.99
LXSG-20/ED	20	5	4	160	40	25		
LXSG-25/ED	25	7.875	6.3	160	63	39		
LXSG-32/ED	32	12.5	10	160	100	62		
LXSG-40/ED	40	20	16	160	160	100		
LXSG-50/ED	50	31.25	25	160	250	156		

Thread End Type

Flange End Woltman Type Water Meters

Type	Size	Length	Height	Connecting flange		
	mm			ΦD1 Outside diameter	ΦD2 Bolt circle diameter	Connecting Bolts (n-M)
LXLC-50/ED	50	200	261	165	125	4-M16
LXLC-65/ED	65	200	271	185	145	4-M16
LXLC-80/ED	80	225	279	200	160	8-M16
LXLC-100/ED	100	250	289	220	180	8-M16
LXLC-125/ED	125	250	299	250	210	8-M16
LXLC-150/ED	150	300	319	285	240	8-M20
LXLC-200/ED	200	350	346	340	295	8-M20(1.0MPa) 12-M20(1.6MPa)

Flow Technique Specification

Type	Size	Q4	Q3	Q3/Q1	Q2/Q1	Q2	Q1
	mm			m^3/h			
LXLC-50/ED	50	50	40	63	1.6	1	0.63
					6.3	4	
				80	1.6	0.8	0.5
					6.3	3.15	
				100	1.6	0.64	0.4
					6.3	2.52	
				125	1.6	0.5	0.32
					6.3	2	
				160	1.6	0.4	0.25
					6.3	1.6	
		78.75	63	100	1.6	1	0.63
					6.3	4	
				125	1.6	0.8	0.5
					6.3	3.18	
				160	1.6	0.63	0.4
					6.3	2.5	
				200	1.6	0.5	0.32
					6.3	2	
				250	1.6	0.4	0.25
					6.3	1.6	
LXLC-65/ED	65	78.75	63	63	1.6	1.6	1
					6.3	6.3	
				80	1.6	1.26	0.8
					6.3	5	
				100	1.6	1	0.63
					6.3	4	
				125	1.6	0.8	0.5
					6.3	3.18	
				160	1.6	0.36	0.4
					6.3	2.5	
		100	80	100	1.6	1.28	0.8
					6.3	5.04	
				125	1.6	1.02	0.64
					6.3	4.03	
				160	1.6	0.8	0.5
					6.3	3.15	
				200	1.6	0.64	0.4
					6.3	2.25	
				250	1.6	0.51	0.32
					6.3	2.01	

Type	Size	Q4	Q3	Q3/Q1	Q2/Q1	Q2	Q1
	mm			m^3/h			
LXLC-80/ED	80	78.75	63	160	1.6	0.63	0.39
		125	100	160	1.6	1	0.62
				200	1.6	0.8	0.5
				250	1.6	0.64	0.4
LXLC-100/ED	100	125	100	160	1.6	1	0.62
		200	160	160	1.6	1.6	1
				200	1.6	1.28	0.8
				250	1.6	1.02	0.64
LXLC-150/ED	150	312.5	250	63	1.6	6.35	4
					6.3	25	
				80	1.6	5	3.125
					6.3	19.7	
				100	1.6	4	2.5
					6.3	15.75	
				125	1.6	3.2	2
					6.3	12.6	
				160	1.6	2.5	1.6
					6.3	10	
		500	400	100	1.6	6.4	4
					6.3	25.2	
				125	1.6	5.12	3.2
					6.3	20	
				160	1.6	4	2.5
					6.3	15.75	
				200	1.6	3.2	2
					6.3	12.6	
				250	1.6	2.56	1.6
					6.3	10	
				315	1.6	2	1.27
					6.3	8	
				400	1.6	1.6	1
					6.3	6.3	
				500	1.6	1.28	0.8
					6.3	5	
LXLC-200/ED	200	500	400	63	1.6	10	6.35
					6.3	40	
				80	1.6	8	5
					6.3	31.5	
				100	1.6	6.4	4
					6.3	25.2	
				125	1.6	5.12	3.2
					6.3	20.2	
				160	1.6	4	2.5
					6.3	16	
		787.5	630	100	1.6	10	6.3
					6.3	39.7	
				125	1.6	8	5
					6.3	31.75	
				160	1.6	6.3	3.94
					6.3	24.8	
				200	1.6	5	3.15
					6.3	20	
				250	1.6	4	2.5
					6.3	16	
				315	1.6	3.2	2
					6.3	12.6	
				400	1.6	2.5	1.6
					6.3	10	
				500	1.6	2	1.26
					6.3	8	

Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters or parts discovered within this period shall be replaced without charge upon return to the WESDOM Meters.

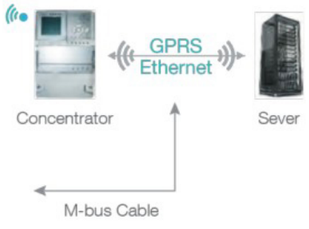
Minor-caliber AMR Water Meter

LXSY~15D-25D

Mechanical Characteristics

- Multi Jet, dry-type, Mde of PPO or brass
- Inbuilt ball valve
- LCD display and mechanical register
- Horizontal installation

To Be Made For Different Systems



AMR water meter (Wireless)

Radio Frequency Communication

- Powered by battery (6 years)
- Radio frequency : 470Mz~ 510MHz
- 7 layers data storage
- Permanent data storage
- Short distance communication with concentrator
- Available for remote read and control

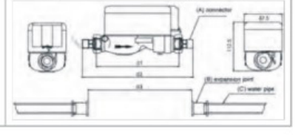
AMR water meter (Wired)

M-bus Cable Communication

- Powered by concentrator via M-Bus communication cable
- Spared battery in case of power failure
- Permanent data storage
- Time in real time clock in meter can be adjusted by concentrator
- Short distance communication with concentrator
- Available for remote read and control

	Q3	Measurement range ratio	Pressure	Pressure loss	Accuracy	Max reading	d1	d2	d3	A	B	C
DN15	2.5	Q3/Q1=125,100,80 63,50	MAP10 (0.03~1MPa)	⊿P63	Class 2	99999,9999m³	190	258	238	1/2"	1/2"	1/2"
DN20	4.0						195	299	279	3/4"	3/4"	3/4"
DN25	4.0						225	345	325	1"	1"	1"

1. Water temperature: 0.1~30℃
2. Water quality: inclusion-free water



Minor-caliber Prepaid Water Meter

LXSGIC-15E~25E

Mechanical Characteristics

- Multi Jet, dry-type, Mde of PPO or brass
- Inbuilt ball valve
- LCD display and mechanical register or LED display and mechanical register
- Horizontal installation

To Be Made For Different Systems

Prepaid water meter (For one user)

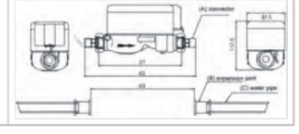
- Powered by battery (6 years)
- Available for one price or multi prices of water pricing system
- Keep the record of 12 months water consumption
- For unified management of water, gas and electricity meter system

Prepaid water meter (For multi users)

- Powered by 5V converted from 220V electricity
- For multi users

	Q3	Measurement range ratio	Pressure	Pressure loss	Accuracy	Max reading	d1	d2	d3	A	B	C
DN15	2.5	Q3/Q1=125,100,80 63,50	MAP10 (0.03~1MPa)	⊿P63	Class 2	99999,9999m³	190	258	238	1/2"	1/2"	1/2"
DN20	4.0						195	299	279	3/4"	3/4"	3/4"
DN25	4.0						225	345	325	1"	1"	1"

1. Water temperature: 0.1~30℃
2. Water quality: inclusion-free water



Minor-caliber Vertical Helix Type Water Meter

LXRY-15~25

Mechanical Characteristics

- Patened minor-caliber vertical helix type water meter
- Low starting value, wide measuring range reaches R=200
- Made of PPO or Brass
- LCD display
- Inbuilt ball valve
- Vertical installation

To Be Made For Different Systems

AMR water meter (Wireless)

Radio Frequency Communication

- Powered by battery (6 years)
- Radio frequency : 470Mz~ 510MHz
- 7 layers data storage
- Permanent data storage
- Short distance communication with concentrator
- Available for remote read and control

AMR water meter (Wired)

M-bus Cable Communication

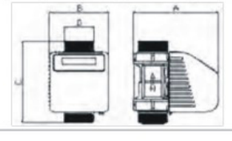
- Powered by concentrator via M-Bus communication cable
- Spared battery in case of power failure
- Permanent data storage
- Time in real time clock in meter can be adjusted by concentrator
- Short distance communication with concentrator
- Available for remote read and control

Prepaid water meter

- Powered by battery (6 year)
- For one user
- For unified management of water, gas and electricity meter system
- Keep the record of 12 months water consumption
- Available for one price or multi prices of water pricing system

	Q3	Measurement range ratio	Pressure	Pressure loss	Accuracy	Max reading	A	B	C	D
DN15	2.5	Q3/Q1=200,160, 125,100,80	MAP10 (0.03~1MPa)	⊿P63	Class 2	99999,9999m³	120.50	84.50	115	3/4"
DN20	4.0						120.50	84.50	115	1"
DN25	6.3						120.50	84.50	115	1 1/4"

1. Water temperature: 0.1~30℃
2. Water quality: inclusion-free water



Minor-caliber Detachable Water Meter

LXSG-15E~25E

Mechanical Characteristics

- Detachable communication module can be added to fits for AMR system
- Multi jet, dry type, Made of brass or iron
- Horizontal installation

To Be Made For Different Systems

RF communication

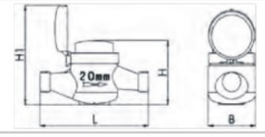
- Radio frequency : 470MHz~510MHz
- Powered by battery (6 years)
- 7 Layers data transmission
- Short distance communication with concentrator

M-Bus cable communication

- Powered by concentrator via M-Bus communication cable
- Short distance communication with concentrator which communicates with server

Type	DIA. (mm)	Q3	Accuracy	Length	Height	Height 1	Width	Connector length	Connector thread	Connector thread
				L	H	H1	B	Lr	R	G
				mm						
LXRY-15	15	2.5	Class 2	165	120	185	88	45	R 1/2	G 3/4" B
LXRY-20	20	4.0	Class 2	195	120	185	88	50	R 3/4	G 1" B
LXRY-25	25	6.3	Class 2	225	120	185	88	58	R 1"	G 1 3/4 B"

1. Temperature: 0.1-30℃
2. Q3/Q1=125, 100, 80
3. Pressure rating: MAP10(0.03~1Mpa)
   Pressure loss: △P63
4. Max reading: 99999,9999m³
5. Water quality: Clean tap water



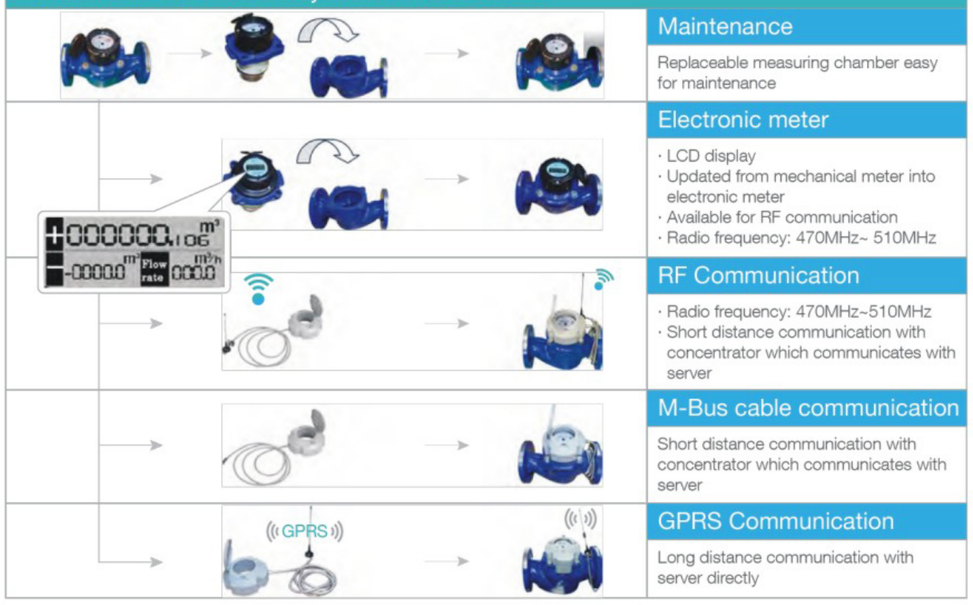
Large Caliber Vertical Helix Water Meter

WS 40~200

Mechanical characteristics

- Vertical helix type water meter
- Low starting value, wide measuring range reaches R=200
- Replaceable measuring chamber, convenient for maintenance
- A available for AMR system by adding communication module

To Be Made For Different Systems & Maintenance



Maintenance

Replaceable measuring chamber easy for maintenance

Electronic meter

- LCD display
- Updated from mechanical meter into electronic meter
- Available for RF communication
- Radio frequency: 470MHz~ 510MHz

RF Communication

- Radio frequency: 470MHz~510MHz
- Short distance communication with concentrator which communicates with server

M-Bus cable communication

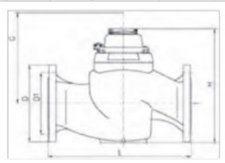
Short distance communication with concentrator which communicates with server

GPRS Communication

Long distance communication with server directly

Type	DIA. (mm)	Flow range		Q3	Q4	Q2	Q1	Min reading	Max reading	Accuracy	Length	Height			Flange			Weight
											L	H	h	G	External DIA.	Innder DIA.	Bolt	
		Q3/Q1	Q2/Q1	M3/h				M3			mm				D mm	D1 mm	(PC)	KG
WS-40	40	200	6.3/1.6	40	50	1.26	0.2	0.0005	999999	Class 2	280	228	85	268	150	110	4×M16	12
WS-50	50	200	6.3/1.6	40	50	1.26	0.2	0.0005	999999	Class 2	280	228	85	268	165	125	4×M16	12.50
WS-80	80	200	6.3/1.6	63	80	2.02	0.32	0.0005	999999	Class 2	370	282	103	344	200	160	4×M16	21.50
WS-100	100	200	6.3/1.6	100	125	3.15	0.5	0.0005	999999	Class 2	370	403	114	350	220	180	8×M16	25.50
WS-150	150	200	6.3/1.6	250	312	7.88	1.25	0.0005	999999	Class 2	500	430	155	565	285	240	8×M20	68.50
WS-200	200	200	6.3/1.6	400	500	12.6	2	0.0005	999999	Class 2	500	505	190	681	340	295	8×M20	100

1. Temperature: T30
2. Pressure rating: MAP10
   Pressure: △P63
3. Upstream sensitivity: U10
   Downstream sensitivity: D5
4. Maximum permissible errors:
   Loe zone (Q1≤Q≤Q2) : ±5% at rated water temperature
   High zone (Q2≤Q≤Q4) : ±2% when temperature ≤30℃
5. Noramlly Q2/Q1=6.3
   Q2/Q1=1.6 is available for customized



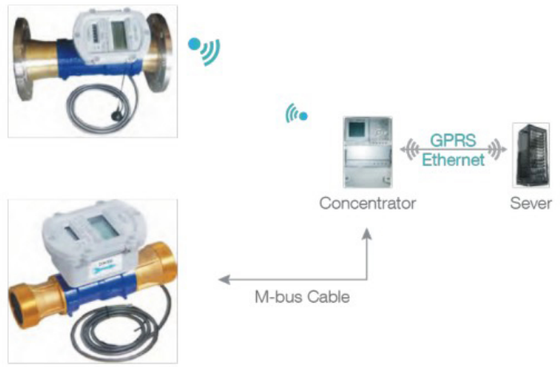
Large Caliber Vertical Electronic Water Meter

WS-32D~100D

Mechanical Characteristics

- Vertical helix type water meters
- With inbuilt ball valve available for remote control
- LCD display & character wheel display
- Max.measuring range reaches R=500 in vertical installation
- Horizontal & Vertical installation
- Made of brass

To Be Made For Different Systems



AMR water meter (Wireless)

Radio Frequency Communication

- Powered by battery (6 years)
- Radio frequency : 470Mz~ 510MHz
- 7 layers data storage
- Permanent data storage
- Short distance communication with concentrator
- Available for remote read and control

AMR water meter (Wired)

M-bus Cable Communication

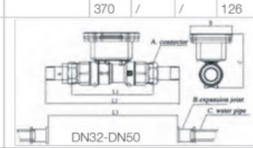
- Powered by concentrator via M-Bus communication cable
- Spared battery in case of power failure
- Permanent data storage
- Time in real time clock in meter can be adjusted by concentrator
- Short distance communication with concentrator
- Available for remote read and control

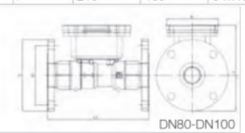
Prepaid water meter

- Powered by battery (6 year)
- For one user
- For unified management of water, gas and electricity meter system
- Keep the record of 12 months water consumption
- Available for one price or multi prices of water pricing system

Type	DIA. (mm)	Q3	Flow range	Accuracy	Installation	L			W	H	Thread	Flange		
						mm						External DIA.	External DIA.	Bolt
						L1	L2	L3	B	C	A	D1 mm	D2 mm	PCS
WS-32D	DN32	25m³/h	Q3/Q1= 500, 400, 315, 250 200, 160, 125, 100 80, 63, 50 Q2/Q1= 1.6, 2.5, 4, 6.3	Class 2	V	230	355	325	126	163	1 1/2"	/	/	/
WS-40D	DN40					245	375	345	126	163	2"	/	/	/
WS-50D	DN50					280	435	400	126	163	2 1/2"	/	/	/
WS-80D	DN80	100m³/h				370	/	/	126	250	/	190	160	8-M16
WS-100D	DN100					370	/	/	126	250	/	210	180	8-M16
WPH-32D	DN32	25m³/h	Q3/Q1= 100, 80, 63, 50 Q2/Q1= 1.6, 2.5, 4, 6.3		H	230	355	325	126	163	1 1/2"	/	/	/
WPH-40D	DN40					245	375	325	126	163	2"	/	/	/
WPH-50D	DN50					280	435	400	126	163	2 1/2"	/	/	/
WPH-80D	DN80	100m³/h				370	/	/	126	250	/	190	160	8-M16
WPH-100D	DN100					370	/	/	126	250	/	210	180	8-M16

1. Temperature: T30
2. Pressure Rating: MAP10
3. Pressure Loss: △P63
4. Upstream Sensitivity: U10
5. Downstream Sensitivity: D5
6. Climate and mechanical environment level: B
7. Electromagnetic environment level: E1
8. Does not measure backward flow





ULTRASONIC WATER METER

For Commercial & Industrial

Special Features

- The meter is of multi-Channel design capable of marking double-section measurements with a highest possible measuring accuracy under various pipe flow conditions.
- The meter is of a though-bore design and has no mechanical moving parts. Because of no pressure loss, energy consumption of water pumps and hence operating costs of water supply enterprise is drastically reduced.
- The meter is battery powered with a micropower consumption design and a measuring cycle of one second. It can work uninterruptedly for a period of over 10 years with only one battery (Power consumption: ≦0.5mW).
- The meter is high in reliability and is capable of keeping long-term working at any flowrate point without being affected by magnetic interference.
- It is highly sensitive to a minimal starting flowrate with a high accuracy (A flow velocity as low as 0.002m/s can be detected).
- It is provided with a multiple output-ting function. Through linking up with GSM for wireless data transmission, a monitoring system can be formed up for minitoring working state of meter and pipe network.
- The meter conform to China national standard GB/T 778-2007《Measurement of water in full flow in closed pipe and cold drinking water meter and hot water meter》.
- Ex-Works calibration is made in conformity to China national standard JJG 162-2009《Cold water meter》.

Technical Data

Item		Parameter			
		SCL-61D0	SCL-61D1	SCL-61D2	
Class Accuracy		2	2	1	2
Nominal Dia., mm		DN15~DN40	DN50~DN300	DN100~DN300	DN50~DN300
Medium		Water or other homogeneous fiuids in full pipe flow			
Rating Of Pressure Loss		△p25	△p10	△p10	
Max. Pressure-bearing Capacity		1.6MPa (DN200: standard value 1.0MPa)			
Working Environment		-25℃~+55℃ RH: ≤100% (Pls. specify on ordering if the limit is exceeded)			
Rating Of Temperature		T30, T50, T70, Tacit: T30			
Rating Of Upstream Flow Field Sensitivity		U10	U10	U10	
Rating Of Downatream Flow Field Sensitivity		D5	D5	D3	
Category Of Climate & Mechanical Environmental Condition		C			
Class Of Electromagnetic Compatibility		E2			
Keyboard		Magnetic induction keys			
Display		Liquid crystal dispaly: 8 digit + prompting characters Word height: 8.5mm			
Content Of Display		Instantaneous flowrate, m/h. Cumulative flowrate, m. Cumulative effective running time, h Date: y/m/d. Clock: h/m/s			
Range Of Display		Cumulative flowrate: -9999999.9m^3 ~+9999999.9m^3 Instantaneous fiowrate: -9999999.9m^3/h ~+9999999.9m^3/h			
Data Of Display	Photoelectric Interface	Baudrate: 2400bps Protocol: EN13757			
	RS-485	Baudrate: 2400bps 4800bps 9600bps(selectable) Default: 2400bps Transmission distance: ≤1200m. Protocol: EN13757, Modbus.			
Data Storage (EEPPROM)		Storage of cumulative flowrate and effective running time. (Data can be saved for a period of 100 years after power failure) Automatic storage of the above mentioned data of the past 24 months			
Working Power		Battery DC 3.6V (Capable of working continuous for a period of over 10 years with one battery)			
Measuring Cycle		Once per second			
Protection Class		IP68			
Power Consumption		<0.5mW			
For the non-integral mater version, the cable connecting the measuring unit and display ia in a standard Length of 6m. For cable Length other than this, please specify on ordering					

Scope Of Application

The meter is suitable for accurate measurement of flow of water delivered through urban water supply network, and the total water volume distribution to individual households (Main meter's measured data). It can also find application on various industrial sites where power source are unavailable.

Range Of Flowrate Parameters

■ SCL-61 D0 Veraion

Nominal diameter (mm)	Min. Value Sensible (m^3/h)	Q_3/Q_1	Q_2/Q_1	Min. Flowrate Q_1 (m^3/h)	Boundary Flowrate Q_2 (m^3/h)	Permanent Flowrate Q_3 (m^3/h)	Overload Flowrate Q_4 (m^3/h)	Cumulative Flowrate	
								Max. Reading (m^3)	Min. Reading (m^3)
15	0.002	200	1.6	0.008	0.013	1.6	2.000	9999999.9	0.001
20	0.002	200	1.6	0.013	0.021	2.5	3.125		
25	0.005	200	1.6	0.020	0.032	4.0	5.000		
32	0.007	200	1.6	0.032	0.051	6.3	7.875		
40	0.011	200	1.6	0.050	0.080	10.0	12.500		

■ SCL-61 D1 Veraion

Nominal diameter (mm)	Min. Value Sensible (m^3/h)	Q_3/Q_1	Q_2/Q_1	Min. Flowrate Q_1 (m^3/h)	Boundary Flowrate Q_2 (m^3/h)	Permanent Flowrate Q_3 (m^3/h)	Overload Flowrate Q_4 (m^3/h)	Cumulative Flowrate	
								Max. Reading (m^3)	Min. Reading (m^3)
50	0.035	100	1.6	0.630	1.008	63	78.75	9999999.9	0.001
65	0.060	100	1.6	1.000	1.600	100	125.00		
80	0.090	100	1.6	1.600	2.560	160	200.00		
100	0.141	160	1.6	1.563	2.501	250	312.50		
125	0.221	160	1.6	1.563	2.501	250	312.50		
150	0.318	160	1.6	2.500	4.000	400	500.00		
200	0.565	160	1.6	3.938	6.301	630	787.50		
250	0.883	160	1.6	6.250	10.000	1000	1250.00		
300	1.270	160	1.6	10.000	16.000	1600	2000.00		

■ SCL-61 D2 Veraion (Class of accuracy:2)

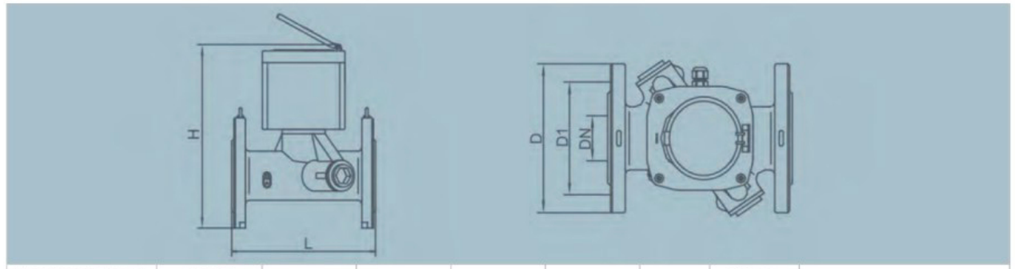
Nominal diameter (mm)	Min. Value Sensible (m^3/h)	Q_3/Q_1	Q_2/Q_1	Min. Flowrate Q_1 (m^3/h)	Boundary Flowrate Q_2 (m^3/h)	Permanent Flowrate Q_3 (m^3/h)	Overload Flowrate Q_4 (m^3/h)	Cumulative Flowrate	
								Max. Reading (m^3)	Min. Reading (m^3)
50	0.013	125	1.6	0.504	0.806	63	78.75	9999999.9	0.001
65	0.022	125	1.6	0.800	1.280	100	125.00		
80	0.034	125	1.6	1.280	2.048	160	200.00		
100	0.054	250	1.6	1.000	1.600	250	312.50		
125	0.088	250	1.6	1.600	2.560	400	500.00		
150	0.121	250	1.6	2.520	4.032	630	787.50		
200	0.215	250	1.6	4.000	6.400	1000	1250.00		
250	0.336	250	1.6	6.400	10.240	1600	2000.00		
300	0.483	250	1.6	6.400	10.240	1600	2000.00		

Overall Dimensions, mm

■ SCL-61 D0 Veraion

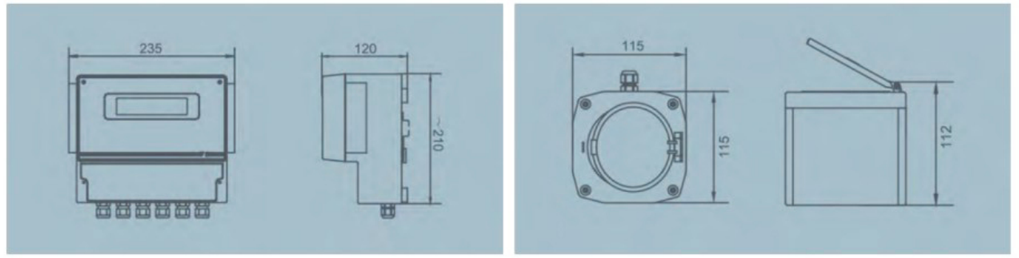
Nominal Dia.(DN)	L	H	With Connecting Fittings	Without Connecting Fittings	Pressure Rating
15	110	180	R$\frac{1}{2}$	G$\frac{3}{4}$	1.0MPa
20	130	180	R$\frac{3}{4}$	G1	
25	160	180	R1	G1$\frac{1}{4}$	
32	260	190	—	G1$\frac{1}{4}$	
40	300	200	—	G2	

■ Flange-connected integral meter version, mm



Nominal diameter (mm)	Sonic Channel	L	H	D	D1	nxd	Press. Rating	Remarks
50	Single	200	265	165	125	4×18	1.0/1.6 MPa	d-Dia. Of flange connection hole n-Number of flange connection holes D1-Center hole Dia
	Multiple	200	260	165	125	4×18		
65	Single	200	280	185	145	4×18		
	Multiple	200	285	185	145	4×18		
80	Single	225	390	200	160	8×18		
	Multiple	225	300	200	160	8×18		
100	Single	250	320	220	180	8×18		
	Multiple	250	320	220	180	8×18		
125	Single	250	345	250	210	8×18		
	Multiple	250	345	250	210	8×18		
150	Single	300	380	285	240	8×23		
	Multiple	300	375	285	240	8×23		
200	Single	350	435	340	295	8×23	1.0MPa	
	Multiple	350	425	340	295	8×23		
250	Single	400	465	395	350	12×23		
	Multiple	400	465	395	350	12×23		
300	Single	450	510	445	400	12×23		
	Multiple	450	510	445	400	12×23		
200	Single	350	435	340	295	12×23	1.6MPa	
	Multiple	350	425	340	295	12×23		
250	Single	400	465	395	350	12×27		
	Multiple	400	465	395	350	12×27		
300	Single	450	510	445	400	12×27		
	Multiple	450	510	445	400	12×27		

■ Overall dimension of display unit non-integral meter version, mm



Selection Guide

SCL-61D × × × × × × × ×

Number of Sonic Channel
0- Single-channel (DN15~DN40)
1- Single-channel (DN50~DN300)
2- Multi-channel (DN50~DN300)

Class of Temperature
0- T30 (Default setting)
1- T50
2- T70

Pipe size
DN15~DN300

Type of Transducer
1- Standard version
2- Two-way version
3- Fire-fighting water

0- Battery powered

Output interface
R-RS-485 (Default setting)

Class Accuracy
1-Class-1 (SCL-61D2 only) (DN100~DN300 selectable)
2-Class-2

Separate display unit-measuring meter connecting cable standard length
Separate display unit (optional)-measuring meter connecting cable standard length: 1.5m
For other lengths, pls. sprcift when placing order.

ULTRASONIC WATER METER

For Residential

Special Features

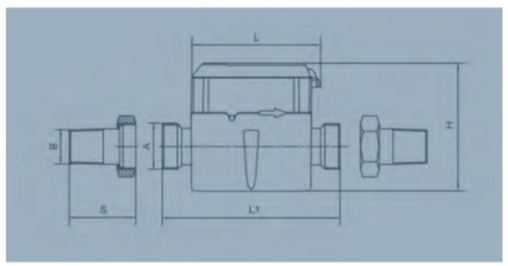
- Large dynamic range is R250 and (Metrological properties) better than Class D.
- It is designed with a protection class of IP68. The meter can keep on working under long-term submersion in water.
- SCL-61H ultrasonic water meter is working with micro-power consumption technology. (The lifetime of the battery is over 10 years).
- A flowrate as low as 1.5L/H can be precisely measured.
- The meter has no mechanical moving parts. Because of no pressure loss, energy consumption of water pumps and hence operating cost of water supply enterprise is drastically reduced and the service life will be longer.
- The meter enjoys the merits of being compacted in size and high in stability and anti-interference capability.
- Thanks to be application of ultrasonic measuring technology, it is possible to mount the meter at any angles without being affected in measuring accuracy. Moreover, the pressure loss of pipe flow can be reduced to a minimum.
- It supports photoelectric, RS-485 and M-BUS output interfaces and provides Radio Frequency and remote meter data reading functions to facilitate centralized management of users. Whenever the pipe network runs abnormally, the abnormality information can be timely reported to upper level.
- The meter conform to China mational standard GB/T 778-2007《Measurement of water in full flow in closed pipe and cold drinking water meter and hot water meter》.

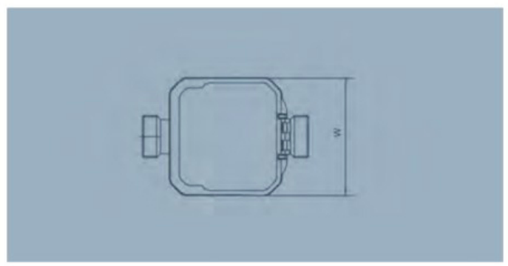
- Ex-Works calibration is made in conformity to China national standard JJG 162-2009《Cold water meter》.

Scope Of Application

The meter is suitable for use in living houses, buildings and at district water supply sub-stations for supply water flow measurement and settlement of charges payable by water consumer based on meter-measured.

Scope Of Application





Nominal Diameter	DN15	DN20	DN25
A: Mater mounted without connecting fittings	G$\frac{3}{4}$B	G1B	G1$\frac{1}{4}$B
B: Mater mounted with connecting fittings	R$\frac{1}{2}$B	R$\frac{3}{4}$B	R1B
L	95	95	95
L1	110	130	175
H	95	95	95
W	93	93	93
S: Length of connecting fitting	45	51	59

Technical Data

Item		Parameter						
Nominal Dia., mm		DN15		DN20			DN25	
Dynamic range				250				
Permanent Flowrate Q_3, m^3/h		1.6	2.5	1.6	2.5	4.0	4.0	6.3
Overland Floerate Q_4, m^3/h		2.0	3.125	2.0	3.125	5.0	5.0	7.87
Boundary Flowrate Q_2, L/h		10.24	16.0	10.24	16.0	25.6	25.6	40.32
Min. Floerate Q_1, L/h		6.4	10.0	6.4	10.0	16.0	16.0	25.2
Starting Floerate, L/h		1.5	1.5	2.5	2.5	2.5	4.0	6.3
Class of Pressure Loss		△p25	△p63	△p10	△p25	△p63	△p25	△p63
Medium		Water or other homogeneous fluids in full pipe flow						
Class of Measuring Accuracy		2						
Max. Permissible working Pressure		1.6MPa						
Ambient Temperature		-25℃~+55℃ ≤100%RH (If the range is exceeded, please. specify when placing order)						
Class of Temp		T30, T50, T70, Tacit: T30						
Class of Upstream Flow Field Sensitivity		U10						
Class of Downstream Flow Field Sensitivity		D5						
Category of Climate & Mechanical Environment Conditions		C						
Class of electromagnetic Compatibility		E1						
Pushbutton		Photosensitive key						
Diaplay		LC 8-digit + prompting characters						
Contents of Diaplay		Instantaneous flowrate, m^3/h. Cumulative flowrate, m^3. Water temperature, ℃ Cumulative effective running time, h. Date,Y/M/D. Clock,h/m/s. Software version. Screen test						
Display Resolution		Cumulative flowrate: 0.001 m^3. Water temperature: 0.01℃						
Date Communication	Photoelectric Interface	Baudrate: 2400bps Protocol: EN13757						
	RS-485 M-Bus	Baudeate: 2400bps, 4800bps, 9600bps (Selectable). Default: 2400bps. Transmission distance: ≤1200m Protocols: CJ/T 188, Modbus, EN 13757 (Selectable), Default: EN 13757						
	Radio Frequency	Transmission distance: 300m (Open space). Frequency band: 470MHz~510MHz						
Data Storage		Storage of cumulative flow volume in EEPROM on a month basis. Date can be stored for a period of 100 years after power failure. The data of the past 24 months can be automatically stored						
Contents of Diaplay		Battery DC 3.6V (The meter can work continuously for a period of over 10 years with one battery)						
Power Consumption		<0.2mW						
Protection Class		IP68						
Storage Temperature		-25℃~+55℃						
Length of Signal Cable		1.3m						
Meter Mounting Position		On water supply pope						

Selection Guide

SCL-61H × × × ×

Nominal Diameter
0- DN15
1- DN20
2- DN25

Permanent Flowrate
0- 1.6m³/h
1- 2.5m³/h
2- 4.0m³/h
3- 6.3m³/h

Temperature rating
0- T30 (Default setting)
1- T50
2- T70

Output interface
M- M-Bus
R- RS-485
F- RF output

Note: for model selection, refer to the Permanent Flowrate Table below.

Table of Permanent Floerate Value

Pipe Size	Permanent Flowrate, m³/h			
	1.6	2.5	4.0	6.3
DN15	●	●	--	--
DN20	●	●	●	--
DN25	--	--	●	●

BASIS SMART WATER METER WITH VALVE

Small type basis smart water meter measuring the total volume of portable water passing through the pipeline. The product use the special small mechanism and low torque valve, it with the feature that volume is small, weight is light and high precision, valve is easy open and close. To be basis of smart water meters it can save the space, make the smart water meter more small and beautiful, it is the very good choice to be basis of smart water meters.

The System Include

· Brass body, multi-jet, dry-dial mechanism water meter with brass connection.
· With valve to open/close the pipeline.
· With.

Water Temperature

· Cold water meters: 0.1℃～30℃.
· Hot water meters: 30℃～90℃.
· Water pressure: ≤1MPa.

Main Technical Specifications

■ Q3/Q1=80, Q2/Q1=1.6, Q4/Q3=1.25

Diameter	Class level	Q_s Overload flow	Q_p Permanent flow	Q_t Transitional flow	Q_{min} Minimum flow
mm		m^3 /h			
15	2	3.1	2.5	0.050	0.031
20	2	5.0	4.0	0.080	0.050
25	2	7.9	6.3	0.126	0.079

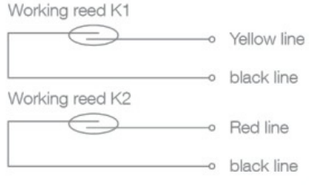
■ Maximum Permissible Error

· In the lowerzone from Qmin inclusive up to but excluding Qt is ±3%.
· In the upper zone from Qt inclusive up to and including Qs is±2% ; Hot water meter is ±3%.

■ Collect Signal Principle

· It use reed switch send out and collect the signal, when the two reed switch each one closed one time, it will produce one pulse, the two reed switch will not closed in the same time. The working principle will avoid the more additional signal principle, it will guarantee the mechanical parts reading same with LCD display. It also can avoid the outside magnetic field interference, if there are any interference, the two reed switch will closed in the same time..
· Reed switch closed resistance: ＜1Ω; open resistance:>10MΩ,the best closed/open resistance value more smaller more better, it will save the consumption.
· When collect the signal to avoid the reed switch additional shake, when test the closed situation, it should be collect delay 0.5S～1S.After the short time, the reed switch still closed, it will be effective.

· Reed switch line:



Valve Data

■ Torque

Press(MPa)	New installed valve most biggest torque in Permanent flow flow (N.M)		
	DN15	DN20	DN25
0.3	0.2	0.25	0.3
1.0	0.4	0.5	0.6

■ When pressure≥0.3MPa, the leakage value is≤5L/h.

Actuator And Control Box

As the mark demand, we open the actuator and control box for the basis water meters, so the clients just need put your own electronic module and related parts then can installed a smart water meters. The valve's actuator use high quality gear, long working life, have pass the 30,000 times test to open and closed. The control box have nice design, suitable for many type smart meters.

Actuator Data

· Open /Closed valve time≤7S (Test voltage:3.6V).
· Open /Closed valve electric current.

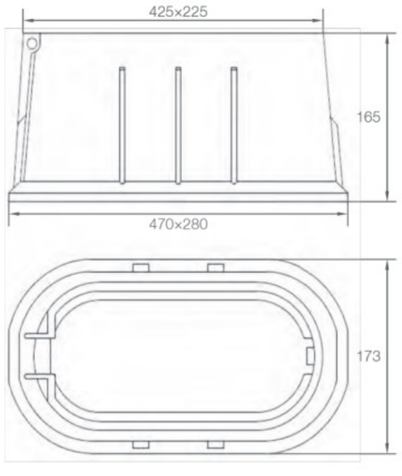
Diameter	Open/closed valve electric current (mA)		
	No pressure	0.3MPa	1MPa
	I_{max}	I_{max}	I_{max}
DN15	55	75	125
DN20	55	80	130
DN25	55	100	155

· Test flow: DN15 3m³ /h; DN20, DN25 is 5m³ /h.
· Actuator locked rotor: ≥450mA (Test voltage:3.6V).
· Actuator working voltage: 3V～4V.

WATER METERS BOX

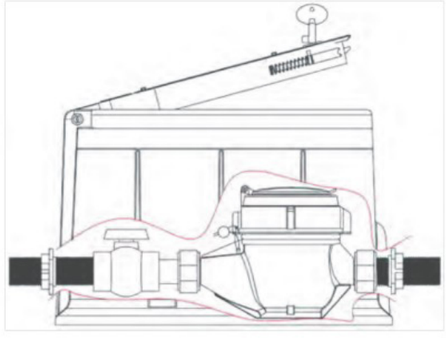
The water meter box raw material PP or PA. The whole body is black colour. Anti-pressure, and high temperature.
The thickness not below 3mm.

Water Meters Box Ⅰ



Name	Upper mm	Bottom mm	Height mm	Weight KGS
Water meter box	470*280	425*225	165	2.5

Water Meters Box Ⅱ



Name	Length mm	Width mm	Height mm
Water meter box	313	189	176

WESDOM WATER METER

THE MAIN EXPORT COUNTRY AND REGION

ASIA

HONGKONG
MACAU
INDONESIA
THAILAND
NEPAL
SINGAPORE
PHILIPPINES
MALAYSIA
BANGLADESH
SRI LANKA
JORDAN
OMAN
SYRIA
PAKISTAN
KAZAKHSTAN
UNITED ARAB EMIRATHS
IRAQ
ISRAEL
TURKEY
YEMEN
TAIWAN
LNDIA
UZBEKISTAN
ARMENIA
LRAN
SAUDIARABIA
VIETNAM

EUROPE

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GERMANY
RUSSIA
SPAIN
NETHERLANDS
LIHUANIA
UKRAINE
MOLDOVA
CZECH
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HUNGARY
BULGARIA
GREECE
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LRELAND
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OCEANIA

AUSTRALIA

AMERICAS

UNITED STATES
CANADA
ECUADOR
CIHILE
BRAZIL
MEXICO
COLOMBIA
CSOTS RICA
URUGUAY

AFRICA

MOROCCO
EGYPT
KENYA
SOUTH AFRICA
ETHIOPIA
CAMEROONN
NIGERIA
ZIMBABWE