

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 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.



Customized Plastic cap

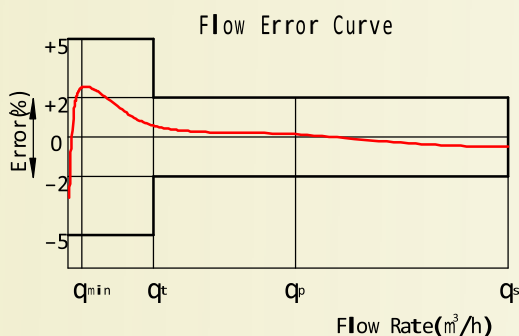
Working conditions

- ✓ Water temperature:
0.1°C ~ 50°C for cold water meter.
0.1°C ~ 90°C for hot water meter.
- ✓ Water pressure: PN10/16/25.
- ✓ Pressure -loss class: $\Delta p25$.



Maximum permissible errors

- ✓ From minimum flow-rate (Q_1) inclusive to transitional flow-rate (Q_2) exclusive $\pm 5\%$.
- ✓ From transitional flow-rate (Q_2) to overload flow-rate (Q_4): $\pm 2\%$ (Hot water meter $\pm 3\%$).



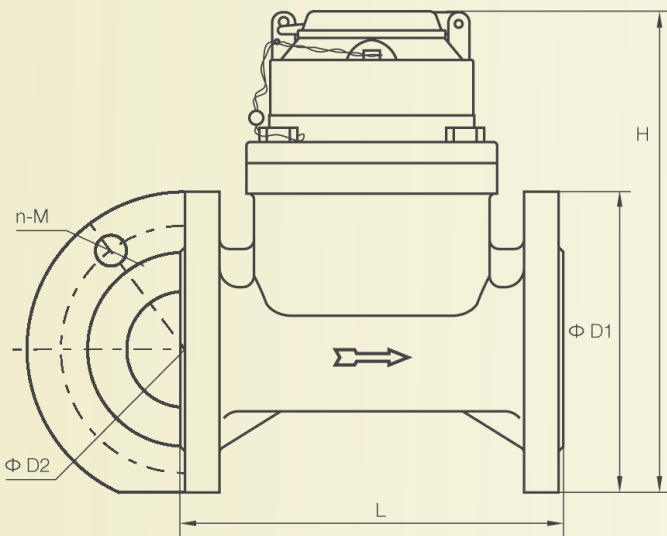
LXLC(R)-50 ~ 300(mm)

Optional Features

- ✓ Plastic register, copper register and full glass register.
- ✓ Reed switch option.
- ✓ Flange standard can be chosen.
- ✓ 360 degrees rotate can be choose.
- ✓ Cast iron, Ductile iron body.
- ✓ Color can be change on body and cover.

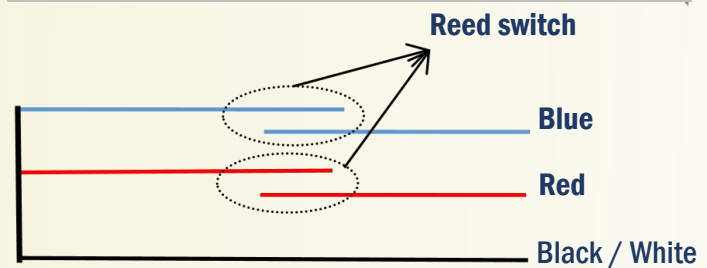


Dimensions



Pulse Position

Size	Pulse Position
DN50-65	10/100/1000L/Pulse
DN80-200	100/1000L/Pulse
DN250-300	1000L/10000L/Pulse

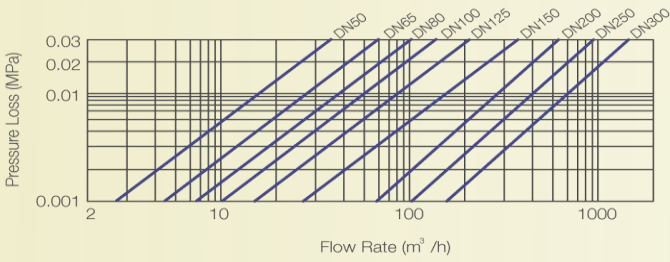


Type	Size	L Length	H Height	Connecting flange		
				Φ D1 Outside diameter	Φ D2 Bolt circle diameter	Connecting Bolts (n-M)
LXLC-50	50	200	261	165	125	4-M16
LXLC-65	65	200	271	185	145	4-M16
LXLC-80	80	225	279	200	160	8-M16
LXLC-100	100	250	289	220	180	8-M16
LXLC-125	125	250	299	250	210	8-M16
LXLC-150	150	300	319	285	240	8-M20
LXLC-200	200	350	346	340	295	8-M20(1.0MPa) 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.

Pressure Loss curve



Dials

Common Plastic Register



Full Glass Register



Copper Register



Exploded View



Installation

Pipe	Horizontal
Meter head	Upwards

Flow Technical Specification

Size	Class	Q4	Q3	R= Q3/Q1	Q2	Q1	Min. Reading	Max. Reading
DN		Overload Flow	Permanent Flow		Transitional Flow	Minimum Flow		
		m ³ /h			m ³ /h		m ³	
DN50	A	31.3	25	50	0.8	0.5	0.0002	999,999
	B	50	40	80	0.5	0.32		
DN65	A	50	40	50	1.28	0.8	0.0002	999,999
	B			80	0.8	0.5		
DN80	A	78.8	63	50	2	1.26	0.002	999,999
	B			80	1.3	0.79		
DN100	A	125	100	50	3.2	2	0.002	999,999
	B			80	2	1.25		
DN125	A	200	160	50	5.12	3.2	0.002	999,999
	B			80	3.2	2		
DN150	A	312.5	250	50	8	5	0.002	999,999
	B			80	5	3.1		
DN200	A	500	400	50	12.8	8	0.002	999,999
	B			80	8	5		
DN250	A	787.5	630	25	40.32	25.2	0.002	9,999,999
	B			50	20.16	12.6		
D300	A	1250	1000	25	64	40	0.02	9,999,999
	B			50	32	20		

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance.

Defected meters or parts discovered within this period shall be replaced without charge upon return to us.