XXG(R)-50~300(mm)

Irrigation(Sewage) Horizontal 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

--Small transmission resistance , large flow capacity ,anti-block and strong anti-pollution ability ;
--Dry-dial,magnetic drive;
--Vacuum sealed register, frost resistant,keeps clear reading for long time;
--Removable measuring unit and strong universality, easy installation and maintenance;
--Remote transmission device can be added upon request;such as Reed Switch or Hall pulse output;
--The meters conform to ISO4064 standard.

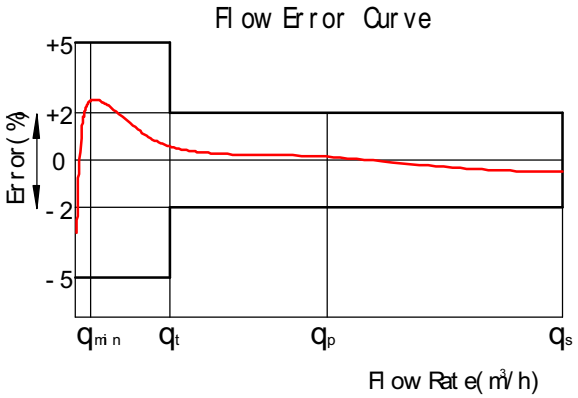


Working condition

--Water temperature: 0.1℃～50℃ for cold water meter .
0.1℃～90℃ for hot water meter.
--Water pressure: PN10/16/25
--Pressure -loss class:△p25

Maximum permissible errors

(1) From minimum flow -rate (Q1) inclusive to transitional flow-rate (Q2) exclusive ±5%
(2) From transitional flrow-rate (Q2) to overload flow-rate (Q4):±2% (Hot water meter±3%)

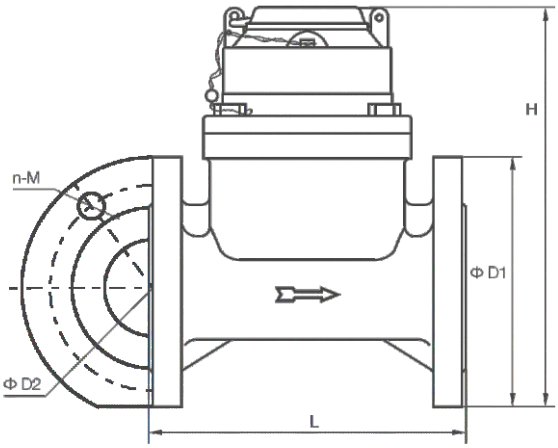


Optional Features

--Plastic register, copper register and full glass register.
--Reed switch option.
--Accuracy: R=25.
--Flange standard can be choose.
--360 degree rotate can be choose.
--Cast iron, Ductile iron body .
--Color can be change on body and cover.

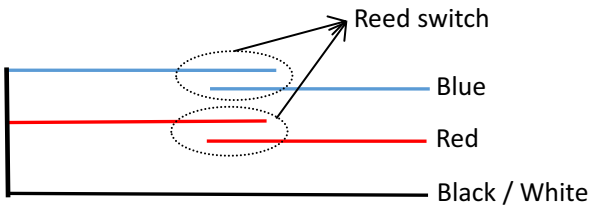


Dimensions



Pulse Position

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



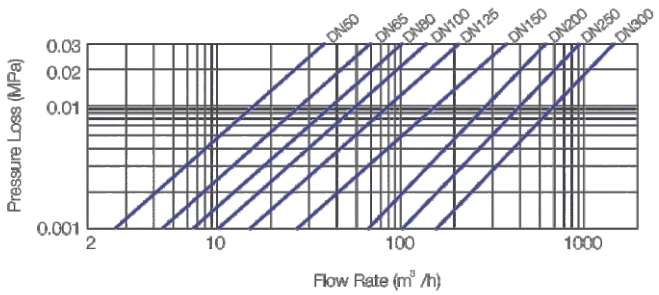
Type	Size	L Length	H Height	Connecting flange		
	mm			ϕ D1 Outside diameter	ϕ D2 Bolt circle diameter	Connecting Bolts (n-M)
XXG-50	50	200	253	165	125	4-M16
XXG-65	65	200	268	185	145	4-M16
XXG-80	80	225	284	200	160	8-M16
XXG-100	100	250	295	220	180	8-M16
XXG-125	125	250	310	250	210	8-M16
XXG-150	150	300	339	285	240	8-M20
XXG-200	200	350	382	340	295	8-M20(1.0MPa)
						12-M20(1.6MPa)
XXG-250	250	400	433	395	350	12-M20(1.0MPa)
		450	438	405	355	12-M24(1.6MPa)
XXG-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.

Pressure Loss Curve



Dials

Common Plastic Register



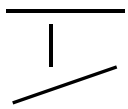
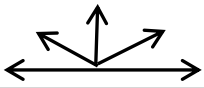


Full Glass Register





Installation

Pipe	Horizontal Vertical- Inclined 
Meter head	Upwards Sideways 

Exploded View



Flow Technique Specification

Size	Class	Q4 Overload Flow	Q3 Permanent Flow	R= Q3/Q1	Q2 Transitional Flow	Q1 Min. Flow	Min. Reading	Max. Reading
DN		m3/h			m3/h		m3	
50	A	31.25	25	25	1.6 4	1	0.0002	999,999
65	A	50	40	25	2.6 6.4	1.6	0.002	999,999
80	A	78.8	63	25	4 10	2.5	0.002	999,999
100	A	125	100	25	6.4 16	4	0.002	999,999
125	A	200	160	25	10.2 25.6	6.4	0.002	999,999
150	A	321.5	250	25	16 40	10	0.002	999,999
200	A	500	400	25	25.6 64	16	0.002	999,999
250	A	787.5	630	25	40.3 100.8	25.2	0.02	9,999,999
300	A	1250	1000	25	64 160	40	0.02	9,999,999

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 HBM Meters.