



TAIWAN
EXCELLENCE
2020

**DN15 ~ DN50
(1/2"~2")**



TH Series

Acc. to OIML R49, ISO 4064: 2014 & EN 14154: 2005

**HYBRID DIGITAL
Multi-Jet Water Meter**

MAIN CHARACTERISTICS

- Direct reading LCD e-register
- Robust construction
- Build-in 10 years battery lifespan
- Gear-free with magnet-free sensing technology
- Measuring range-R160/R200
- IP 68 submerged protection
- Max. working pressure: PN10 & PN16
- Wired/wireless communications

APPLICATIONS

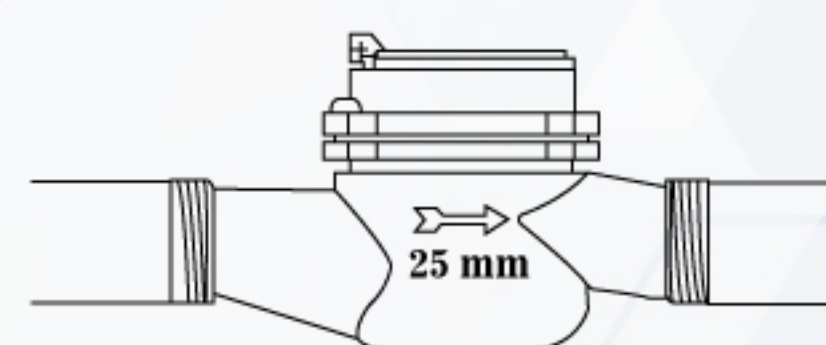
- Measurement for cold potable water up to 30 °C
- Commercial and Industrial
- Utility: Household accumulation
- AMR: Remote meter reading
- DMA: Leakage detection

DIMENSIONS Unit:mm

DN (mm)	Length (L)	Width (±2)	H1	H2 (±2)	D1 (±0.3)	Threaded	Approx. Weight (kg)
15	165	90	40	80	25.8	BSP standard with union	1.5
20	190	90	37	80	33.0		1.6
25	210	90	42	85	39.0		1.9
40	245	124	50	93.8	56.0		3.2
50	270	123	58	138	67.6		3.3

INSTALLATION REQUIREMENT

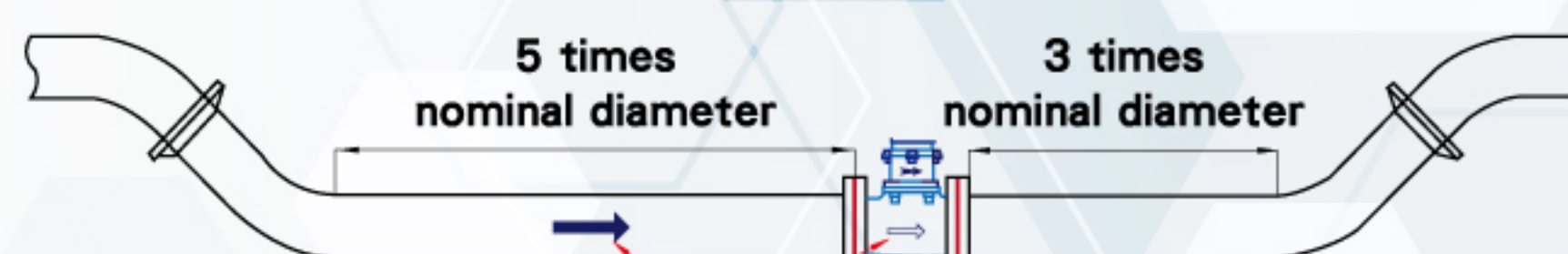
- Horizontal installation



- E-register head should be upwards

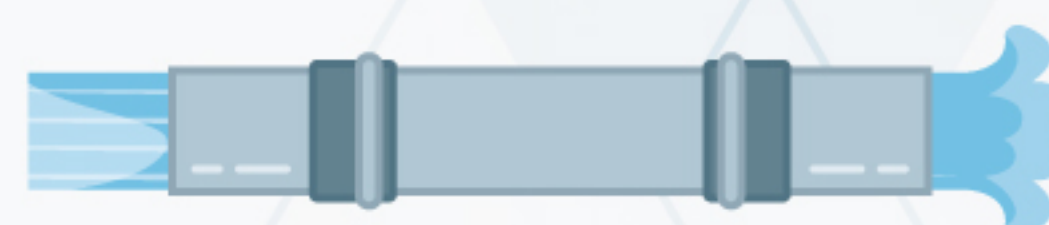


- Requirements for straight pipe upstream/downstream: 5 x DN / 3 X DN.



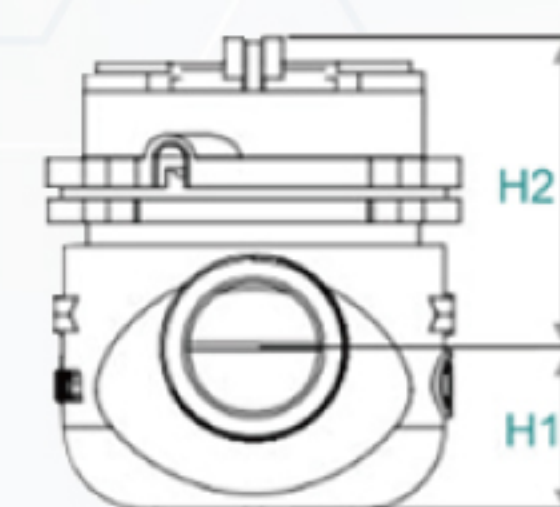
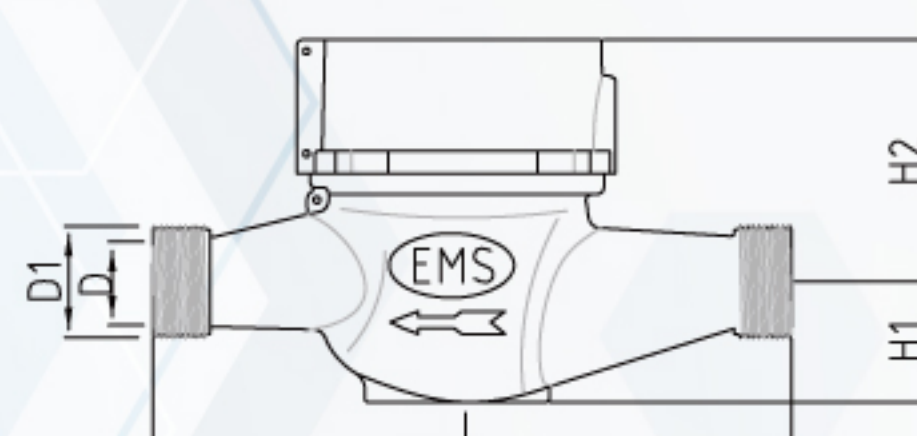
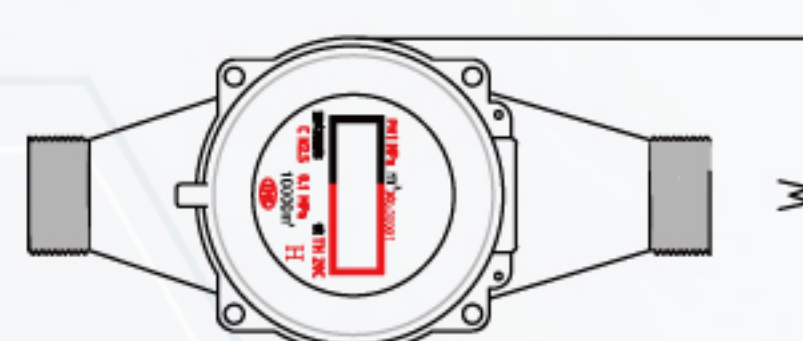
Flow direction shall be accordance with the flow direction mark

- The pipe shall be full of water while operating.



DIALS

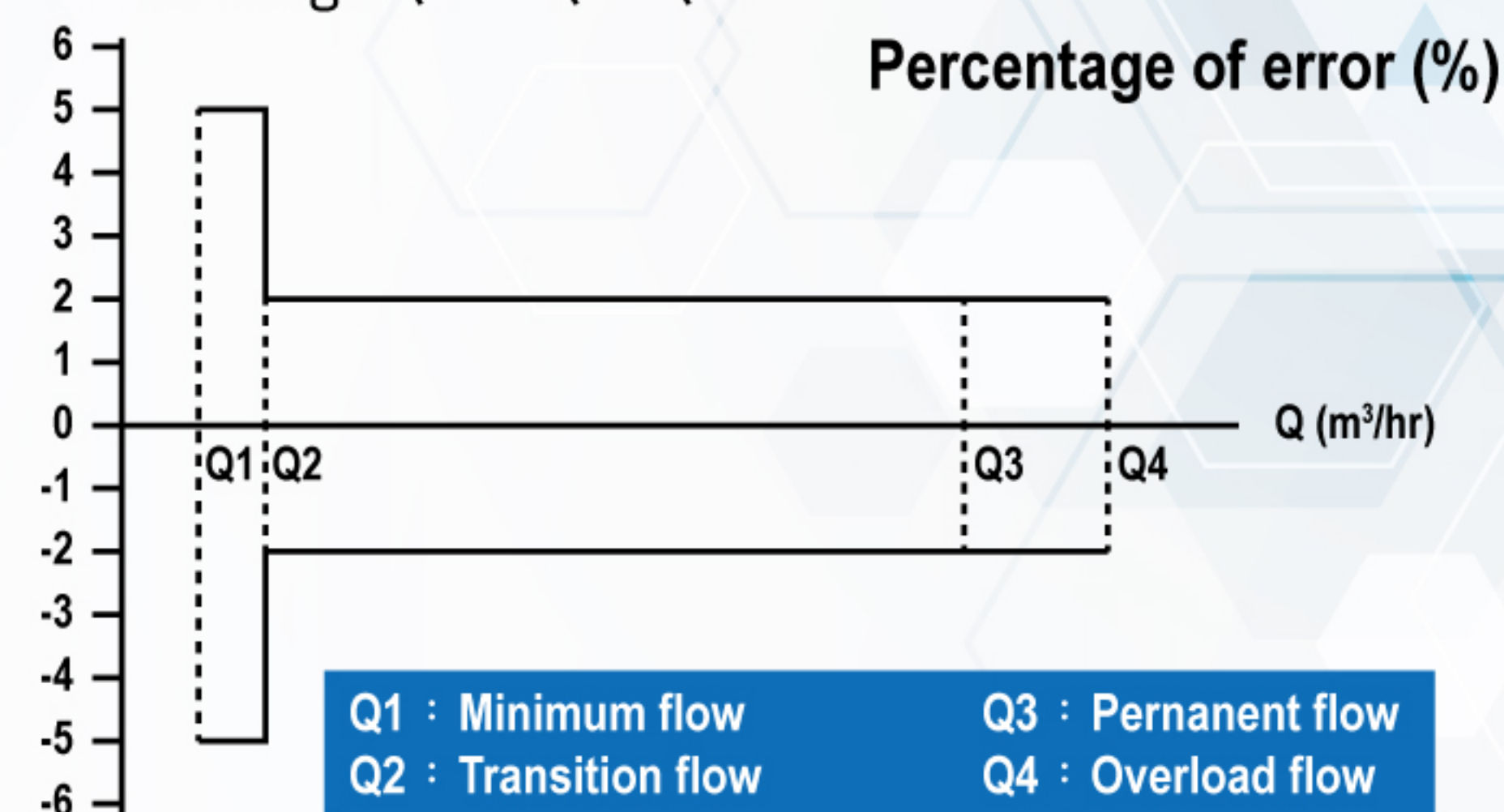
Nominal Diameter (DN)	Max. reading (m³)	Resolution (m³)
15&20	9,999	0.00001
25&40&50	99,999	0.0001



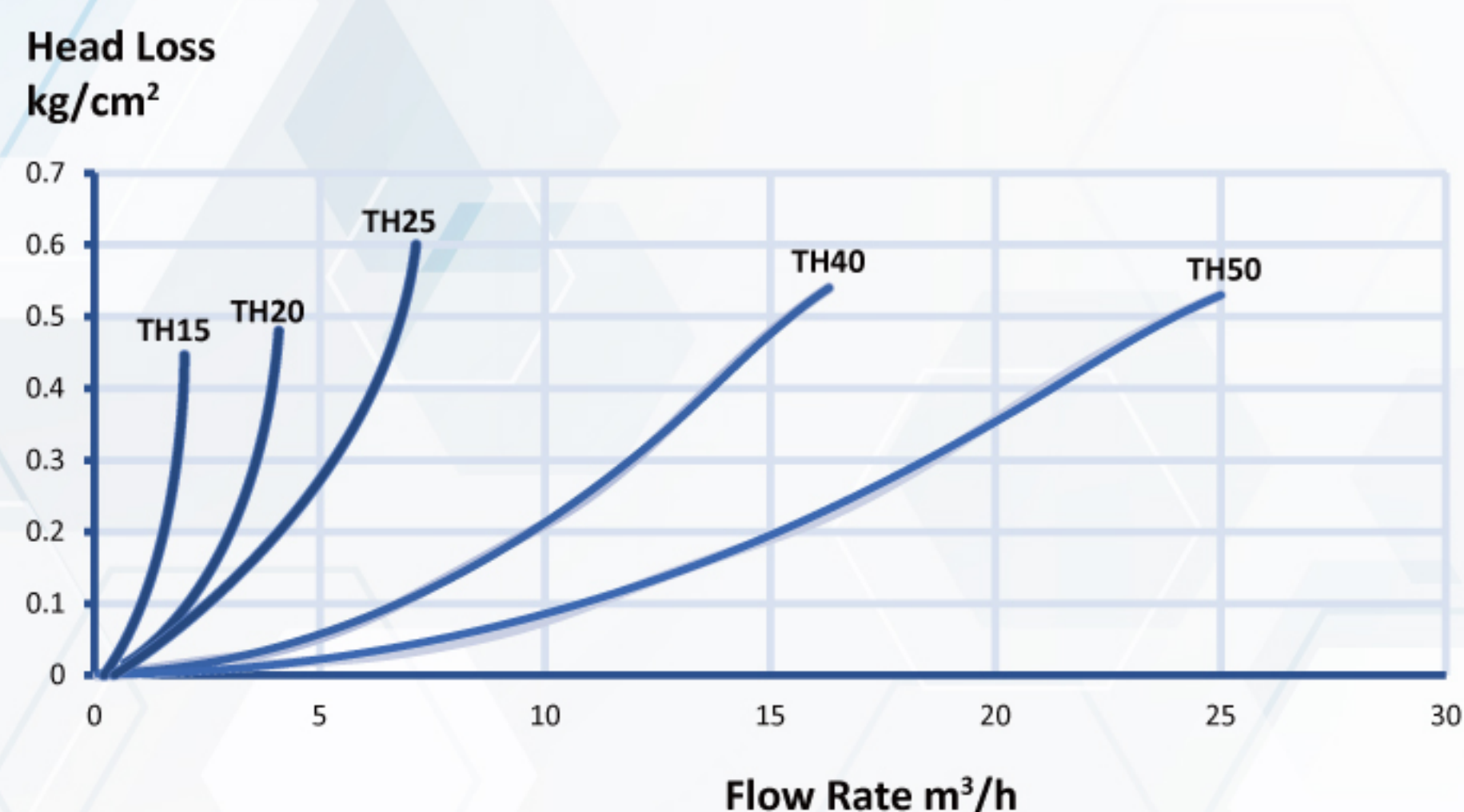
ERROR CURVE

±5 % in range $Q_1 < Q < Q_2$

±2 % in range $Q_2 \leq Q < Q_4$



HEAD LOSS CURVE



TECHNICAL DATA

Parameter	Unit	TH15	TH20	TH25	TH40	TH50
Nominal diameter DN	mm	15	20	25	40	50
Minimum flowrate Q_1	m³/h	0.0156	0.025	0.0393	0.1	0.156
Transitional flowrate Q_2	m³/h	0.025	0.04	0.063	0.16	0.25
Permanent flowrate Q_3	m³/h	2.5	4	6.3	16	25
Overload flowrate Q_4	m³/h	3.125	5	7.875	20	31.25
Ratio Q_3 / Q_1	-	160	160	160	160	160
Connection thread		G¾ B	G1 B	G1¼ B	G2 B	G2½ B
Installation orientation	-	H (Horizontal with the indication device at the top)				
Temperature class	-	T30				
Water temperature range	°C	0.1 to 30				
Maximum working pressure P_{max}	bar	16				
Maximum pressure loss	bar	0.63				
Protection degree	-	IP68				
Maximum permissible error in upper flow rate range $Q_2 \leq Q \leq Q_4$	%	±2				
Maximum permissible error in lower flow rate range $Q_1 \leq Q < Q_2$	%	±5				
Scale interval	m³	0.00001	0.00001	0.0001	0.0001	0.0001
Capacity of calculator	m³	9999.99999	9999.99999	99999.9999	99999.9999	99999.9999
Indicating device	-	Digital				
Units displayed	-	m³				
Battery	V	3.67 V				
Battery life	Years	10 Years				
Mechanic class	-	M1				
Climatic class	°C	5 to 55				
Electromagnetic class	-	E1 (light industry)				

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