

# TH Series

## Electronic Domestic Multi-Jet Magnet-Free Water Meter

Smart Electronic Water Meter (Residential / Submetering)

Available Size: DN 15 - DN 50 (1/2" ~ 2")

### Applications

- Smart building, apartment, DMA construction, Submetering
- Measurement of low and high flowrates
- For leakage detection, control and prevention
- Suitable for AMR, DMA, Wireless metering solutions

### Main Features

- Water meter for horizontal installation positions
- Meet ISO 4064 Class C and R250 ratio standard
- First magnet-free domestic water meter
- Tamper-proof to make water thief impossible
- Direct reading LCD display-IP 68 electronic registers and protected from fogging

### Electronic features

- Multi-point flow rates calibration
- Data synchronization within 10 sec.
- Build-in 12 years battery lifespan
- Gear-free with electronic sensing devices
- Use of pulse, Modbus (RTU), RS485, RS-232, 4-20mA output

### Technical Specifications

- Suitable for submerged condition; Protection class IP68
- Used materials are temperature resistant up to 60°C
- Max. working pressure: PN10 (10 bar)
- Max. working temperature: 70°C
- Meter body: Corrosion proof copper alloy

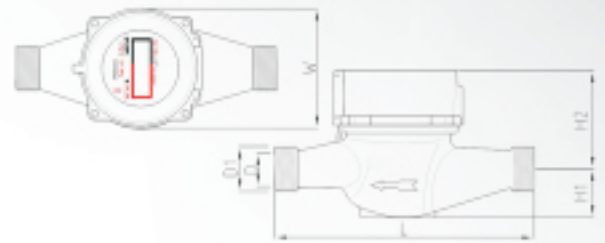
### Intelligent Management Functions

- Totalizer mode; Forward totalizer mode; Reverse totalizer mode;
- Flow rate mode; Management mode
- Leakage days; Reverse flow days; Tamper-proof days; Low voltage days

### Best Functions in DMA construction to reduce NRW

- Monthly water consumption logs : MNF (Minimum Nighttime Flow) logs





Model	Diameter(D) Unit : mm (inch)	Length (L) max	Max. Width (W±2)	From Bottom To Aperture (H1)max	From Head To Aperture (H2±2)	Thread Diameter (D1±0.3)	Approx. Weight (kg)	Threads Numbers Avg. 25.4mm
TH15	15(½")	165	90	40	80	25.8	1.8	14
TH20	20(¾")	190	90	37	80	33.0	1.9	14
TH25	25(1")	210	90	42	85	39.0	2.2	14
TH40	40(1 ½")	245	124	50	93.8	56.0	3.41	11
TH50	50(2")	270	123	58	138	67.6	6.38	11

Technical Data							
<b>ISO 4064:2005</b>	Flow	Units	DN15	DN20	DN25	DN40	DN50
	Q1	m3/h	0.010	0.016	0.0252	0.064	0.1
	Q2	m3/h	0.016	0.0256	0.04032	0.1024	0.16
	Q3	m3/h	2.5	4	6.3	16	25
	Q4	m3/h	3.125	5	7.875	20	31.25
	Q3/Q1	Ratio R	250	250	250	250	250
<b>ISO 4064:1993 (Class C)</b>	Flow	Units	DN15	DN20	DN25	DN40	DN50
	Q1	m3/h	0.015	0.025	0.035	0.1	0.09
	Q2	m3/h	0.0225	0.0375	0.0525	0.15	0.225
	Q3	m3/h	1.5	2.5	3.5	10	15
	Q4	m3/h	3	5	7	20	30

