



TH Series

Size available : DN15~DN50

Hybrid Digital Multi-Jet Water Meter



MID 2014/32/EU Certified
(based on OIML R49, EN 14154 and ISO 4064)

PRODUCT FEATURES

- Direct reading E-register
- Thread connection
- Measuring range-R200
- Wired/wireless communications
- Gear-free and magnet-free sensing technology

APPLICATIONS

- Net totalizer, forward/reverse flow
- Commercial and industrial
- Sub-metering for household
- AMR : Automatic meter reading
- DMA : District metered areas

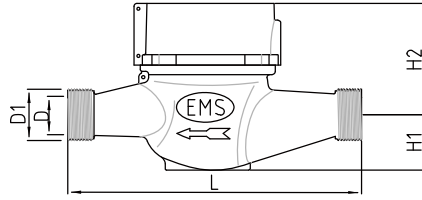
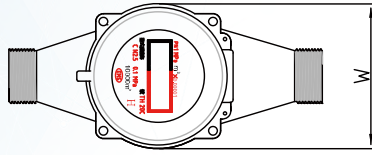
PERFORMANCE DATA

| Meter Type | TH15 | TH20 | TH25 | TH40 | TH50 |
|--|----------------------|-------|--------|-------|-------|
| Nominal diameter DN (mm) | 15 | 20 | 25 | 40 | 50 |
| Minimum flowrate Q ₁ (m ³ /h) | 0.0125 | 0.02 | 0.0315 | 0.08 | 0.125 |
| Transitional flowrate Q ₂ (m ³ /h) | 0.02 | 0.032 | 0.0504 | 0.128 | 0.2 |
| Permanent flowrate Q ₃ (m ³ /h) | 2.5 | 4 | 6.3 | 16 | 25 |
| Overload flowrate Q ₄ (m ³ /h) | 3.125 | 5 | 7.875 | 20 | 31.25 |
| Ratio Q ₃ / Q ₁ (R) | 200 | | | | |
| Ratio Q ₂ / Q ₁ | 1.6 | | | | |
| Maximum permissible error in upper flowrates range Q ₂ ≤ Q ≤ Q ₄ | ±2 % (at Θ ≤ 30 °C) | | | | |
| Maximum permissible error in lower flowrates range Q ₁ ≤ Q < Q ₂ | ±5 % | | | | |

DIALS

| Meter Type | TH15 - TH25 | TH40 - TH50 |
|--|----------------|-------------|
| Scale interval (resolution of the indicating device) (m ³) | 0.00001 | 0.0001 |
| Capacity of calculator (m ³) | 9999.99999 | 99999.9999 |
| Indicating device | Digital | |
| Units displayed | m ³ | |





DIMENSIONS

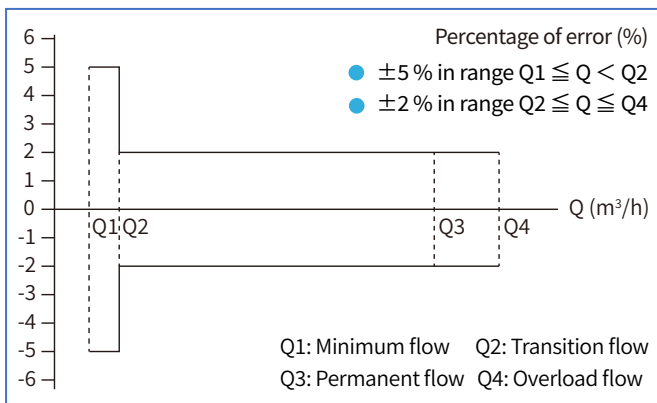
| | DN (mm) | Length (L+0-5) | Width (W±2) | H1 max | H2 max | D1 (D1±0.3) | Thread ISO228-1 | Approx. Weight (kg) |
|-------|---------|----------------|-------------|--------|--------|-------------|----------------------------------|---------------------|
| TH 15 | 15 | 165 | 90 | 40 | 80 | 26.4 | G ³ / ₄ B | 1.5 |
| TH 20 | 20 | 190 | 90 | 37 | 86 | 33.2 | G 1B | 1.6 |
| TH 25 | 25 | 210 | 90 | 42 | 91 | 41.9 | G1 ¹ / ₄ B | 1.9 |
| TH 40 | 40 | 245 | 124 | 50 | 93.8 | 59.6 | G 2B | 3.2 |
| TH 50 | 50 | 270 | 123 | 58 | 138 | 75.2 | G2 ¹ / ₂ B | 3.3 |

Except above mentioned unit, the remaining unit is mm.

TECHNICAL SPECIFICATIONS

| Parameter | Specifications |
|--|---|
| Installation orientation | H (with the indication device at the top) |
| Water temperature range Θ (temperature class) | 0.1°C ~ 30°C (T30) |
| Maximum admissible pressure MAP | 16 bar |
| Pressure loss (pressure loss class Δp) | 0.63 bar (Δp 63) |
| Mechanical class | M1 |
| Climatic class | +5°C ~ +55°C |
| Electromagnetic class | E1 |
| Flow profile sensitivity class | U0 D0 |
| Protection degree | IP68 |
| Battery | 3.67 V |
| Battery life | 8 Years |

ERROR CURVE



HEAD LOSS CURVE

