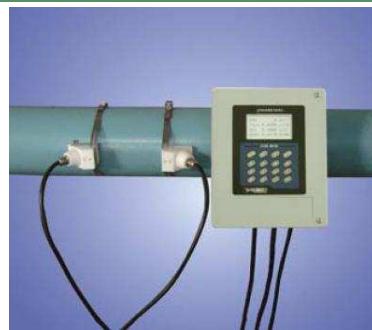


TEDMTFB ULTRASONIC HEAT FLOW METER

The Series TEMDMHF adopt the MultiPulse™ Technology, Digital Signal Processing Technology and Error Correction Technology, which are the state-of-the-art non-invasive flow measurement technology, with a measuring system of very high accuracy, versatility, low cost of installation and ownership. The meter can calculate automatically calorific content of water under 0...200°C temperatures, and can obtain instantaneous calorific value and totalized calorific value.



Applications:

- Measuring heat flow
- HVAC hot and cool water, water/glycol solutions
- Power plants, heat energy boiler feed water
- Energy consumption supervision and water conservation management
- Energy measurement and balancing

SPECIFICATIONS

| | |
|-----------------------------|---|
| Accuracy: | +/- 1% of reading, plus +/- 0,5 m/s. +/- 0,005 m/s a <0,5 m/s |
| Sensitivity: | Flow rate: 0,0003 m/s |
| Repeatability: | +/- 0,2% of reading |
| Velocity: | +/- 12 m/s bi-directional |
| Unit: | metric or english (US) |
| Output: | - 4/20 mA, pulse, relay, RS232C or RS485 Options: Data logger, ModBus |
| Thermal energy calculation: | the meter calculates the thermal energy according to international standards, $Q_{inst} * E = (T_{out} - T_{in})$, where T is the enthalpy difference between inlet and outlet |
| Thermal units: | kWh (optional KC) |
| Display/Keypad: | LCD back lit, 4 line x 16 crt., tactile membrane keypad |
| Media: | Virtually most any liquid containing less than 2% total suspended solids (TSS) or aeration |
| Working Temperature: | -40...+121°C standard transducers, -40...+250 HT transducers |
| Materiale tubazione: | tutti i metalli, la maggior parte di plastiche, fibre di vetro, ecc. |
| Section straight pipe: | >15D - downstream any pump >30D |
| Cable Length: | Std: 20 feet (6m); Opt: Maximum: 990 feet (300m) |
| Power supply | 90-240VAC 50/60Hz ±15%, 5VA max. 10 - 28 VDC, 2.5VA max., Solar supply 12VDC |
| Weight: | 2,5 kg standard electronic, 5 kg ATEX electronic |
| Dimensions: | 2410x193x76.5 mm. std, 255x220x110 ATEX |
| Temperature sensors: | PT1000 - Clamp-on and Insertion - 0...200°C - accuracy +/- 0.1% |
| Transducers: | type S: 12...50mm; type M 40...1000 mm.; type L: 1000...2500 mm.; type K: 20...50 mm (round clamp) |



Type L: 80x53x53 <1 kg



Type S: 42x25x25 <0,2 kg



Type M: 60x43x43 <0,5 kg



tipo K



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