

PULSE ULTRASONIC HOT WATER METER

Technical datasheet Nr 40

The meters of accuracy class C are destined for measuring heat energy in heating systems. They use the principle of ultrasonic measurement.

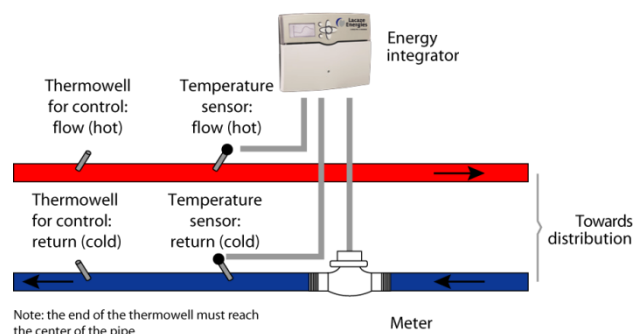
These measuring ranges have been on the market for several years and have a proven track record on metrology and endurance.

This technology has outstanding performances, giving the meters an excellent measuring dynamic, good repeatability and high reliability.



• TECHNICAL SPECIFICATIONS:

- Application: Domestic Hot Water, hot water for heating, glycol-water mixtures
- Working pressure: 16 bar
- Working temperature: 0°C to 110°C
- Maximum temperature: 130°C
- Threaded: DN15 to DN40
- Flat-face flanges: DN50
- Accuracy class: C
- Mounting position: Horizontal or vertical
- Sanitary compliance certificate: ACS
- Approval certificate: LNEF04-G-1279
- Compatibility: Energy measurement device
- Ambient temperature: +5°C...+55°C
- Pulse resolution: 1 liter / pulse



• CHARACTERISTICS:

Diameter (mm)	15	20	25	32	40	50
Reference	70010241000	70010241002	70010241004	70010241006	70010241008	70010241010
Nominal flowrate Qn (m ³ /h)	1.5	2.5	3.5	6	10	15
Minimal flowrate Qmin (m ³ /h)	0.015	0.025	0.035	0.06	0.1	0.15
Maximal flowrate Qmax (m ³ /h)	3	5	7	12	20	30
Recommended straight length (L) (mm)	100	120	150	190	240	300
Length (L) (mm)	110	130	150	260	200	250
Height (A) (mm)	72	72	77	77	85	85
Height (B) (mm)	18	18	23	24	35	/
Diameter (Ø)	1/2"	3/4"	1"	1"1/4	1"1/2	Flat flanges DN 50
Pressure loss at Qn (bar)	0.2	0.15	0.11	0.11	0.11	0.12

