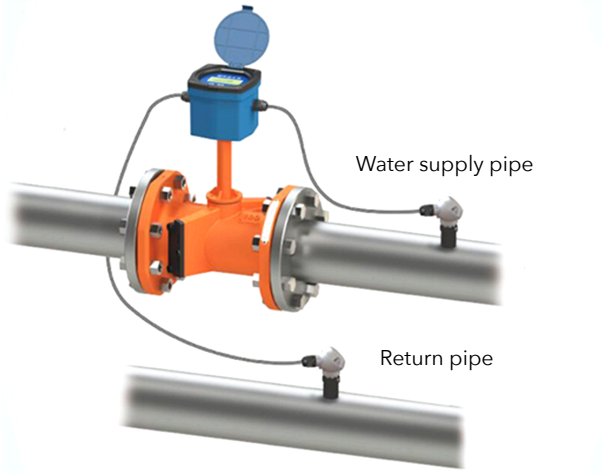
FUH920 Dual-channel pipeline water heat meter ultrasonic calorimeter

MAIN FEATURES

- Battery, power supply dual power
- Fluid layered two-channel metering, accurate and reliable data
- Ultra-low power design, the battery life is more than 10 years

DN15-DN40

DN50-DN300



SPECIFICATION

Items	Specifications
Dominal Diameter	DN15-300
Pipe material	DN15 ~ DN40: Copper DN50 ~ DN150: Ductile iron temperature; DN200 ~ DN300: Carbon steel
Degree range (°C)	40 ~ 150
Temperature difference range (K)	3 ~ 70 (factory setting minimum temperature difference 0.2)
Minimum pairing temperature error (°C)	±0.1
Maximum allowable working pressure (Mpa)	1.6MPa (2.5MPa optional)
Accuracy class	2
Protection class	IP68 can work 2 meters underwater
Working power	Built-in lithium battery (3.6V, 19Ah) / external DC8 ~ 36V DC power supply / 2-wire 4-20mA power supply
Battery life	DN15 ~ DN150 battery for more than 10 years; DN200 ~ DN300 battery for more than 6 years
Working environment	temperature: -20 ~ 55°C; humidity ≤100% (RH)
Temperature sensor type	PT100 platinum resistor
Communication and output	MBUS / RS485 / USART / photoelectric interface
Communication protocol	CJ 188 / MODBUS / M-BUS / Manufacturer protocol
Local display	Dual line display includes 9-digit cumulative quantity, 4-digit instantaneous flow, and various status prompts and units
Storage temperature (°C)	-20 ~ + 65
Data storage	Use EEPROM / FLASH storage parameters to automatically record the cumulative flow of 512 days before the first 128 months
Instrument installation position	Water supply pipe, return water pipe
Display digits	8 digits

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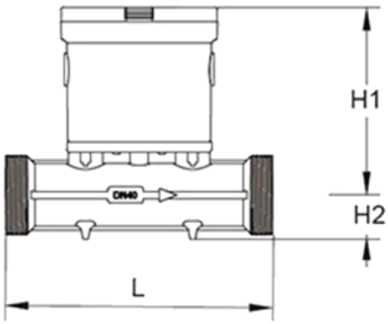
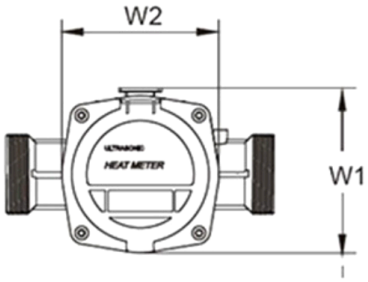
HEAT FLUX RANGE

Nominal Diameter(mm)	Range ratio R	Flow(m³/h)				Cumulative flow		Accumulated heat	
		Starting Flow rate	Minimum Flow rate Qmin	Minimum Flow rate Qmax	Common Flow rate Qp	Maximum reading(m³)	Minimum reading(m³)	Maximum reading(Kw.h)	Minimum reading(Kw.h)
DN15	200	0.003	0.0125	3.125	2.500	999999999	0.0000001	999999999	0.0000001
DN20	200	0.0035	0.016	4.000	3.200				
DN25	200	0.007	0.020	5.000	4.000				
DN32	200	0.010	0.032	7.875	6.300				
DN40	200	0.015	0.100	25.000	20.000				
DN50	100	0.030	0.400	50.000	40.000				
DN65	100	0.059	0.630	78.750	63.000				
DN80	100	0.064	1.000	125.000	100.000				
DN100	100	0.094	1.600	200.000	160.000				
DN125	100	0.120	2.000	250.000	200.000				
DN150	100	0.270	2.500	312.500	250.000				
DN200	100	0.315	4.000	500.000	400.000				
DN250	100	0.508	4.000	500.000	400.000				
DN300	100	0.770	6.300	787.000	630.000				

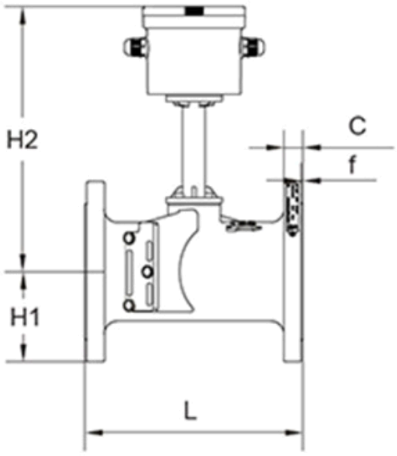
DIMENSION

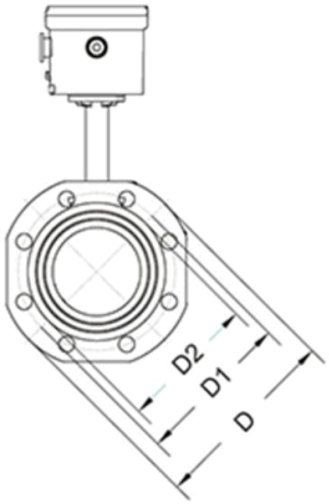




DN15~DN40

Nominal caliber (mm)	Dimension					Thread connection A	Thread length	Weight KG	Pressure Mpa
	L	H1	H2	W1	W2				
DN15	165	129.5	14	123	117	G3/4B	10	0.87	1.6
DN20	190	131.5	17.5	123	117	G1B	12.5	0.94	1.6
DN25	160	134	22	123	117	G1 1/4B	13	1.24	1.6
DN32	180	136.5	25	123	117	G1 1/2B	14.5	1.36	1.6
DN40	200	141	33	123	117	G2B	16	1.89	1.6





DN50~DN300

Nominal caliber (mm)	Dimension			Flange size				Weight KG	Pressure Mpa
	L	H1	H2	Outer Diameter D1	Central circle diameter of bold holes D	Bolt hole Hole Diameter*Quantity Φ*n	Flange thickness C		
DN50	200	70	270	165	125	18*4	19	10.0	1.6
DN65	200	75	275	185	145	18*4	20	11.5	1.6
DN80	225	94	294	200	160	18*8	20	13.6	1.6
DN100	250	104	304	220	180	18*8	22	18.6	1.6
DN125	275	117	317	250	210	18*8	22	23.5	1.6
DN150	300	134	334	285	240	22*8	24	30.0	1.6
DN200	350	165	365	340	295	22*12	26	35.5	1.6
DN250	450	197	397	405	355	26*12	29	58.0	1.6
DN300	500	223	323	460	410	26*12	32	76.0	1.6