

ENJOY YOUR WORKING DAY FOR REAL



SEMPAL S1H /S1F

Ultrasonic heat and water meter S1H/S1F



Advantages and features:

- Ultrasonic measuring type provides long-term infallible device using without performance degradation.
- In case there is water absence in a pipeline device goes into energy-saving mode.
- The display text row is used to read very comfortable.
- There are many archive types for saving: hour, day, month, year.
- Possibility to construct typical schemes of two-channel heat meters.
- Multistage protection system against falsification.
- Availability of ramified self-diagnostic system ensures the localization of potential malfunction. Besides it takes less time to repair.
- Free software.
- Quick device synchronization with dispatching system.

Specifications

Temperature measurements range	Θ: 2 °C ...+150 °C - for standardization of inaccuracies specifications
Temperature difference range	ΔΘ: 3 K...150 K
Temperature measurement range	Θ: -49 °C ...+150 °C - limit value meter measures
Temperature difference range	ΔΘ: 0 K...200 K
Temperature sensors	Pt1000 - EN60751
Specifications characterization	According to EN1434 for delivery options 2 и 5 According to DSTU 3339 for delivery options 4
Accuracy degree	class 2
Environment condition	class A, C
Service life	16 years
MTBF	150 000 hours

DN	Flow meter type	Nominal flow rate qp	Min. flow rate qi	Max. flow rate qs	Threshold of sensitivity ¹	Flow limit ²	Pressure loss Δp @ qp	Flow meter connection	Length
		[m³/h]	[m³/h]	[m³/h]	[m³/h]	[m³/h]	[bar]		[mm]
15	015A	1.5	0.015	3	0.003	5	0.17	G ¾ B	110
20	020A	1.5	0.015	3	0.003	5	0.1	G 1 B	130
	020C	2.5	0.025	5	0.005	7	0.1	G 1 B	130
	020D ³	1.5	0.015	3	0.003	5	0.04	G 1 B	130
25	025A	3.5	0.035	7	0.007	10	0.12	G 1 ¼ B	160
	025C	3.5	0.035	7	0.007	10	0.08	G 1 ¼ B	160
	025D	6	0.06	12	0.012	14	0.22	G 1 ¼ B	160
32	032A (B)	15	0.15	20	0.05	30	0.09	Flange Ø 84mm	180
	032C (D)	15	0.15	20	0.05	30	0.09	M48x2	180
40	040D (E)	25	0.25	35	0.05	50	0.1	Flange Ø 98mm	200
	040A (B)	40	0.4	50	0.08	80	0.25	Flange Ø 98mm	200
	040C	40	0.4	50	0.08	80	0.25	G 2 B	200
50	050A	35	0.35	50	0.13	80	0.07	Flange Ø 122mm	180

¹ - Threshold of sensitivity – minimal flow rate meter can measure.

² - Flow limit – maximum flow rate meter can measure.

Measurement inaccuracies do not standardized at flow rate less than minimum (qi) and more than maximum (qs).

³ – Production discontinued.



SEMPAL LLC

Kyiv, Ukraine, 03062, Kulibina str. 11

+38 044 337 11 88; +38 044 355 11 88; +38 098 163 88 88; +38 050 142 88 88

info@sempal.com, www.sempal.com