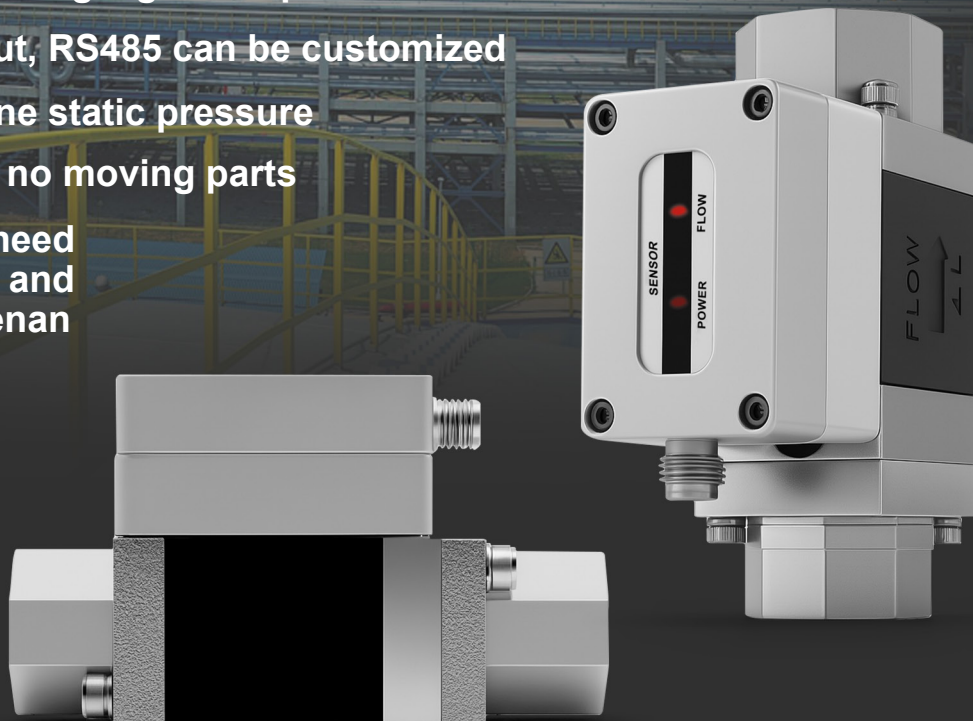


HNF40-A

SMALL VORTEX FLOW SENSOR

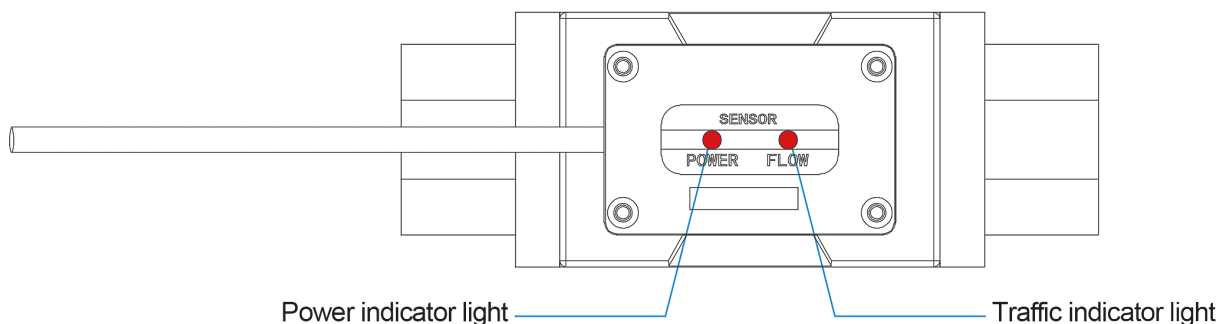
- Two sets of 4-20mA analog signal outputs
- Supports digital output, RS485 can be customized
- Not affected by pipeline static pressure
- Simple structure with no moving parts
- Easy installation, no need for on-site calibration and debugging, no maintenance required



APPLICATION

- ① Cooling water, circulating water, critical water flow monitoring
- ② Flow monitoring of organic and inorganic solutions
- ③ Strong anti pollution ability
- ④ Antifreeze protection, sprinkler system, sewage protection, etc

PANEL SCHEMATIC DIAGRAM



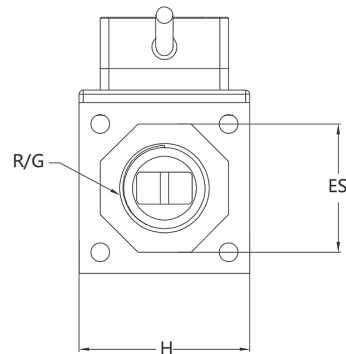
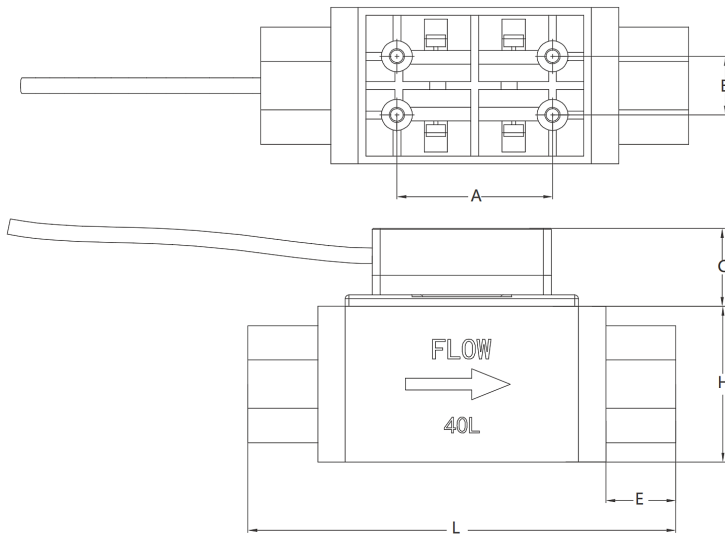
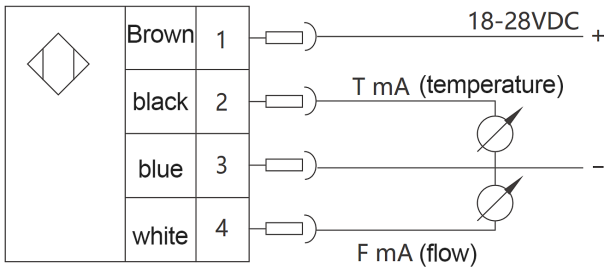
PRODUCT FEATURES

NAME	SPECIFICATION
Flow range	Liquid: 0.4-400 L/min
Temperature range	0~100℃
Accuracy	<±3.0% F.S (flow rate), <±1.0℃ (temperature)
Liquid receiving material	Pom/SUS304 (stainless steel)
Pressure level	10bar (maximum pressure resistance of 16 bar)
Ambient temperature	-10~65℃
Medium temperature	-20~100℃
Process Connection	Thread type: 3/8~1-1/2
Power supply	18-30VDC
Linearization	5-point flow linear curve
OUTPUT	Three wire 4-20mA, linearly related to flow rate and temperature, can be set arbitrarily within the user's range,Maximum 500 Ω, customizable pulse frequency, maximum 1 kHz, user adjustable,For example, RS485 can be customized for 1 pulse/liter or 1 liter/pulse

WIRING DIAGRAM

Brown	1	Power supply positive
black	2	Temperature analog quantity
blue	3	Negative power supply
white	4	Flow analog quantity

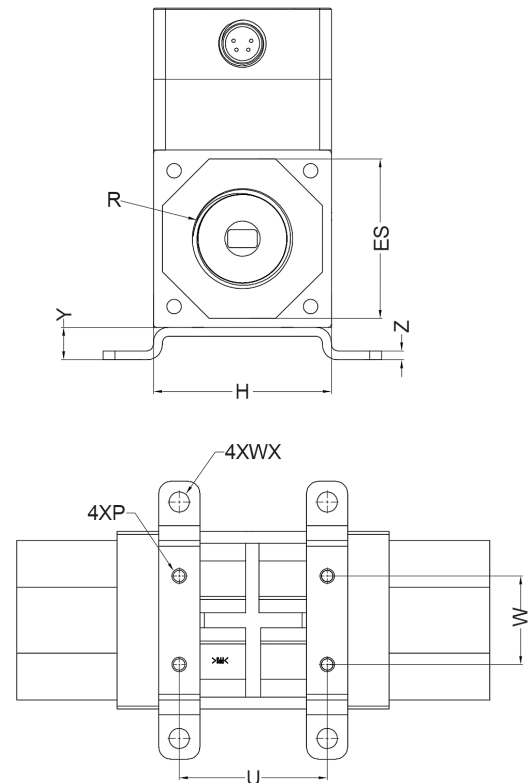
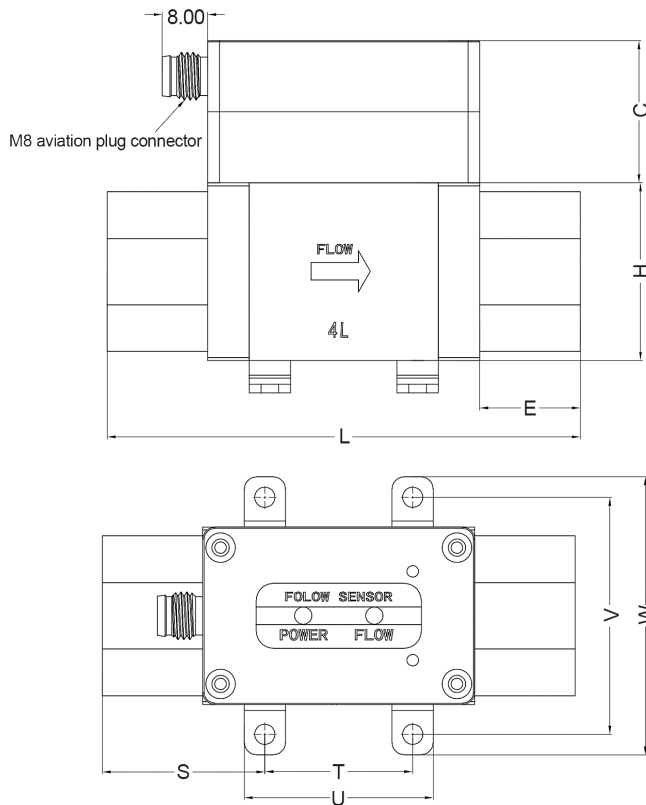
Analog quantity 4-20mA



PRODUCT SIZE(MM)

Selection code	Installation hole position (A)mm	Installation hole position (B)mm	Shell height (C)mm	Body height (H)mm	Body length (L)mm	Locking position (E)mm	Joint hexagon (ES)mm	Flow range L/min	Process connection (R/G)
004A	25	15	24	30*30	80	17	27	0.5-4	3/8 (effective thread 15mm)
004B									1/2 (effective thread 15mm)
016A	25	15	24	30*30	84	19	27	2-16	3/8 (effective thread 15mm)
016B									1/2 (effective thread 15mm)
040A	40	15	20	40*40	110	18	30	5-40	1/2 (effective thread 15mm)
040B									3/4 (effective thread 15mm)
100A	40	20	20	45*45	120	23	41	10-100	3/4 (effective thread 15mm)
100B									1" (effective thread 15mm)
250A	32	31	22	58*58	114	22	58	50-250	1-1/4 (effective thread 15mm)
250B									1-1/2 (effective thread 15mm)
400A	32	31	22	65*65	130	30	65	100-400	1-3/4 (effective thread 15mm)
400B									2" (effective thread 15mm)

INSTALLATION BRACKET SIZE DIAGRAM (MM)



Selection code	Installation hole position of bracket		Outline dimensions of the bracket		Locking screw	Installation hole diameter	Bracket height	Thickness of bracket plate	Margins
	T(mm)	V(mm)	W(mm)	U(mm)	P(mm)	W X(mm)	Y(mm)	Z(mm)	S(mm)
004T	25	40	47	32	M2.5*10deep	3.5	5.5	1.5	28
016T	25	40	47	32	M2.5*10deep	3.5	5.5	1.5	30
040T	40	50	60	49	M4*10deep	4.5	5.5	1.5	35

100T	40	55	65	49	M4*10deep	4.5	5.5	1.5	40
250T	32	68	78	41	M4*10deep	4.5	5.5	1.5	41
400T	32	75	85	41	M4*10deep	4.5	5.5	1.5	49

HNF40-A SMALL VORTEX FLOW SENSOR SELECTION CHART

NAME	CODE	CODE DESCRIPTION
Flow range	1	0.5~4L/min
	2	2~16L/min
	3	5~40L/min
	4	10~100L/min
	5	50~250L/min
	6	100~400L/min
Type selection	G	Internal thread G tooth
	R	Internal thread R tooth
Measuring aperture	-	Direct outgoing line (standard 2m, customizable wire length)
	M	M8-4Pin aviation plug (standard 2m, customizable wire length)
Temperature measurement	-	No temperature measurement function
	T	Equipped with temperature measurement function
Length	-	2 meters (factory default)
	05	5 m
	10	10 m
Mounting Bracket	-	No bracket (default)
	004T	Flow range 4L rack
	016T	Flow range 16L rack
	040T	Flow range 40L rack
	100T	Flow range 100L rack
	250T	Flow range 250L rack
	400T	Flow range 400L rack