



新政

Model H-810

金屬管面積式流量計

HSIN JENG METAL TUBE VARIABLE AREA TYPE FLOW METER

H-810



Technical parameter

Measurement range: Water (20℃)	1~3000 l/h
Air 0.1013MPa 20℃)	0.5~90000 l/h
Range ratio	10:1
Accuracy level	2.5/4.0
Operation pressure	PN16MPa
Medium temperature	-40℃~+120℃
Environment temperature	-40℃~+80℃
Medium viscosity	1/4" NPT, 3/8" NPT 1/2" NPT ≤ 3/4" NPT, 1" NPT ≤250mPa.s
Output Standard signal:	two-wire 4~20mA(24VDC power supply)
Power supply	24VDC±20%
Connection model:	Side-entry-and-exit type:1/4" NPT Down up type:1/4" NPT, 3/8" NPT, 1/2" NPT, 3/4" NPT, 1" NPT internal thread
Electrical interface:	M8×1 or specifications provided by user
Protection level:	IP65

FLOW RANGE

Maximum flow		[mPas] (2) Maximum measurable viscosity [mPas] (2)	Pressure drop [mbar]
Water 1mPas;1kg/l [l/h]	Air 1013 mbar, 0℃ [l/h] Q _N		
1	35	4	8
1.6	54	4	8
2.5	100	6	8
4	160	6	8
6	230	18	8
10	350	18	8
16	540	18	8
25	850	18	9
40	1250	18	10.5
60	1900	18	12.5
100	3100	12	17.0

Maximum flow		Maximum measurable viscosity [mPas] (2)	Pressure drop [mbar]
1mPas;1kg/l [l/h]	1013 mbar, 0℃ [l/h] Q _N		
100	3200	8	60
160	5000	8	70
200	6000	8	80
250	8000	8	90
300	9000	8	160
400	12000	8	75
500	15000	8	85
600	18000	8	95
800	24000	8	130
800	24000	3	60
1000	30000	3	62
1600	45000	3	74
2000	60000	3	85
2500	75000	3	105
3000	90000	3	130

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MODEL SELECTION

☐ / **A** / **B** / **C** / **D** / **E**

Installation method _____

Measuring tube touch-liquid material code _____

Gear-stop and O-rings material _____

Needle valve _____

Indicator and output type _____

Caliber _____

H810 <input type="checkbox"/>	Code instructions			
	Installation method	Flow direction of medium	Optional touch-liquid material code A	Optional caliber
H810V	vertical installation	Down-entry up-exit	R0,R1,Ni,Ti R0,R1,Ni,Ti	1/4" NPT~1" NPT 1/4" NPT~1" NPT
H810H	horizontal installation	Side-entry-and-exit	R0,R1 R0,R1	1/4" NPT 1/4" NPT

A Code	Code instructions
R0	316L stainless steel
R1	304 stainless steel
Ni	HC-276
Ti	titanium

B Code		Code instructions
1	PTFE/Buna	Tetrafluoroethylene+Buna
2	PVDF/ Viton	Polyvinylidene fluoride+Buna
3	PVDF/ Buna	Polyvinylidene fluoride+Buna
4	PTFE/ Kalrez	Tetrafluoroethylene+per-fluorinated rubber

C Code	Code instructions
A	valveless
N	inlet valve
M	outlet valve

D Code	Code instructions			
		Display	Power supply	Electrical signal output
Indicative type	Z	Pointer	-	-
Tele-transmission output type	D	Pointer	24VDC	Two-wire 4 ~ 20mA
HIAL	EK1	Double indicator pointer	24VDC	Three-wire output
LOAL	EK2	Double indicator pointer	24VDC	Three-wire output
HIAL and LOAL	EK3	Double indicator pointer	24VDC	Three-wire output
HIAL	EK4	Double indicator pointer	8.2V	Two-wire output (namur)
LOAL	EK5	Double indicator pointer	8.2V	Two-wire output (namur)
HIAL and LOAL	EK6	Double indicator pointer	8.2V	Two-wire output (namur)

E Code	Code instructions
1	1/4" NPT
2	3/8" NPT
3	1/2" NPT
4	3/4" NPT
5	1" NPT

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