

Karman vortex flow meter KSL-5/10/30/50LN

- Low-cost with no display
- Which involves no moving parts
- Highly durable and maintenance-free
- Compatible with high-temperature water
- Flow meter for measuring the fluid flow rate and temperature
- Alarm output
- LCD display



*Descriptions are based on Japanese Industrial Standards (JIS).

Specifications				
Model	KSL-5LN	KSL-10LN	KSL-30LN	KSL-50LN
Flow range	0.5-5 L/min	1.5-10 L/min	5-30 L/min	7-50 L/min
Fluid	Industrial water or service water			
Temperature detection range	0-100°C			
Maximum working pressure	1.0 MPa			
Flow temperature	0-90°C (No freezing)			
Ambient temperature	0-40 °C			
Power supply	DC 12V ± 5% or DC 24V ± 10%			
Current consumption	30 mA max. (70mA max. in 4 to 20mA specification)			
Cable	AWM20276 9 core / 0.2 mm² / 500 mm			
	red	Power supply		
	black	Ground		
	white	Flow rate output		
	orange	Temperature - detection output		
	yellow	Flow rate alarm		
	green	Temperature - detection alarm		
	gray	Flow rate output (Pulse output)		
	blue	COM (Return of alarm output)		
	brown	Spare core		
Output	DC0-10V or 4-20mA (Flow rate , temperature) / Pulse (Flow rate)			
Alarm output	MOS FET ON or OFF (Flow rate , temperature)			
O ring	Fluoro rubber			
Material of body	PPS,SUS304			
Materials of detector	PPS (Flow rate detector: PPS, temperature detector: SUS304)			
Adapter size	Rc3/8" or Rc1/2"			
Adapter material	SUS304 or BsBM+Ni plating			
Accuracy	FS ±2.0%			
Flow direction	Specified direction			

Order form

How to order: **KSL - 5LN - 24V - V - A - B - S - 3/8 - COM**

KSL-

Flow range		Power Supply		Analog Output			Alarm Output1		Alarm Output2		Adapter Material	Adapter Size	Return of alarm output		
							Flow rate		Temperature						
5LN	0.5-5 L/min	12V	DC12 ±5%	V	Voltage output DC0-10V		A	Alarm on over set value	A	Alarm on over set value	S	SUS 304	3/8	COM	Do not ground
10LN	1.5-10 L/min			I	Current output DC4-20mA										
30LN	5-30 L/min	24V	DC24 ±10%	P ^{*1}	Pulse output	V DC 0-10V	B	Alarm off over set value	B	Alarm off over set value	B	Bs8M * Ni plating	1/2	G	Connect to ground
50LN	7-50 L/min			DPM	Connect to DPM	I DC 4-20mA									

***1** 5L,30L type only selectable [P](Pulse output).