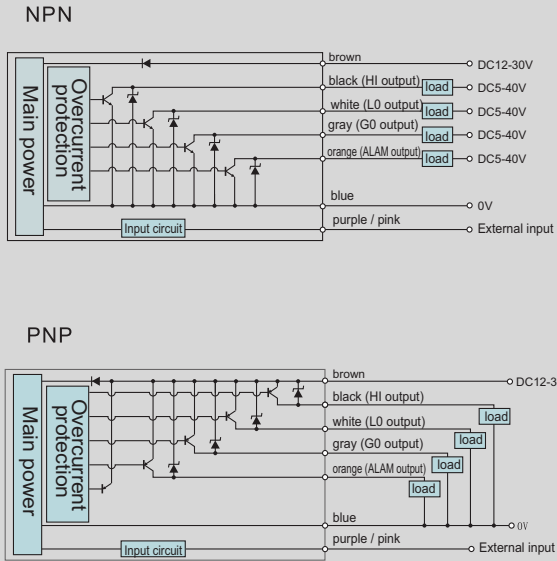


High precision contact sensor V5HK-S01 series



- Strong and narrow body, exquisite and beautiful;
- Hardness linear ball bearing, long life;
- Metal stop structure;
- Multi-digit display of measured values;
- Strip displacement indicator lamp, more intuitive;
- Multi-function, multi-detection mode;
- High cost performance ratio;
- Overrange alarm function.

Input/Output Circuit Diagram



Detection head parameters

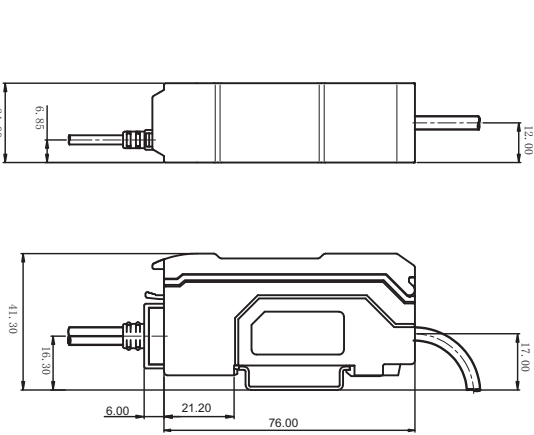
Model	V5HK-L05	V5HK-L10
Sesing distance	4mm	10mm
Variable range	5mm	10mm
Display accuracy	5um	5um
测量力	about 0.7N	about 0.6N
Protection level	sensor head IP65	IP50
	amplifier IP40	
Mechanical life	More than 10 million times	
Ambient temperature range	Working: 0~+50°C, saving: -10~+60°C	
Ambient humidity range	Working: 35 to 85% RH, no condensation	
Vibration (durability)	10 to 55 Hz, single amplitude 0.35 mm, X, Y, Z axis direction 50 min each	
Impact (durability)	150 m/s² 6 directions, each 3 times (up and down, left and right, front and back)	
Connection mode	Connector relay type (sensor head-preamplifier: 2m preamplifier-connector: 0.2m)	
Weight (after packing)	About: 100g	
Shell material	sensor head	Stainless steel
	sheath	Viton
	Mounting bracket	Stainless steel
	定子	Ultra steel
Accessory	Preamplifier mounting bracket right angle adapter	

Amplifier parameters

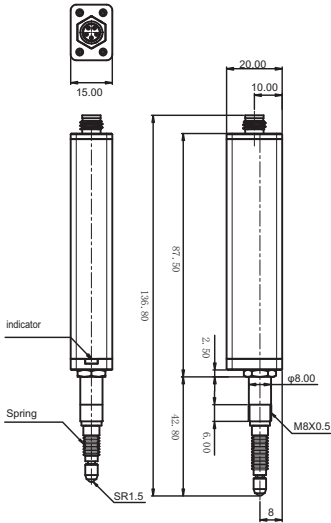
TYPE	NPN	PNP
Model	V5HK-S01N	V5HK-S01P
Display range	-29.999 - 29.999	
Display resolution	5um	
Response time	10ms 50ms 100ms 500ms 1000ms	
Power voltage	12-30 VDC includes 10% pulsation (P-P), CClass 2	
Consumption current	Maximum 2200 MW (30V, Max. 73.3mA)	
Output control	NPN collector open circuit 40V, max. 50mA; residual voltage: Max. 1V	
Input control	Input time: minimum 10 ms	
Reaction time	Less than 1ms	
Consumption current	15mA below	
Ambient	temperature	-10 to +50 No freezing
	humidity	35 to 85%RH No condensation
	shock	10 to 55 Hz, compound amplitude 1.5 mm, X, Y, Z axis direction each 2 hours
Material	Shell	Polycarbonate (PC)
	Key	Polycarbonate (PC)
Weigh	Approx. 140 g (including power cord)	

Dimension drawing

V5HK-S01



V5HK-L10



V5HK-L05

