



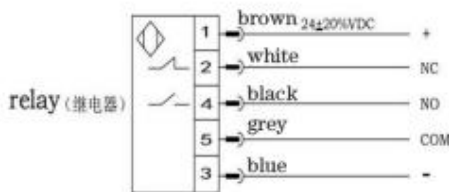
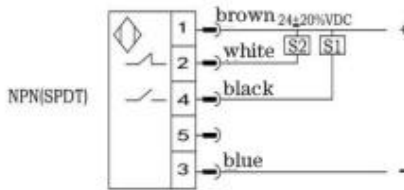
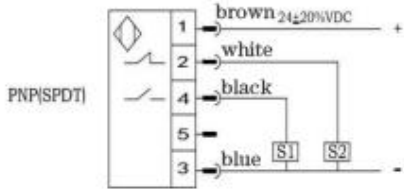
principle and characteristics

Based on the thermal principle, the sealed probe contains two resistors, one of which is not heated as the detection resistance and the other is not heated as the reference resistance. When the medium flows, the heat on the heating resistance is taken away, and the resistance value is changed. The difference between the two resistors is used as the basis for judging the flow rate. No MOVING parts, MAINTENANCEfree, EASY TO install, one model is suitable for a variety of pipe diameter requirements, switch quantity is continuously adjustable, very low pressure loss, compact structure, LED display flow trend and switch status.

product application

Pneumatic and hydraulic dual purpose, low flow rate alarm, can be used for pneumatic and hydraulic systems, can be used for circulating water, cutting fluid and lubricating oil cut-off detection, and pump idling protection.

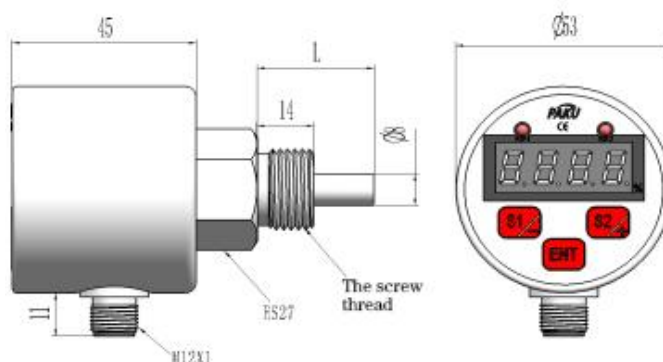
wiring diagram



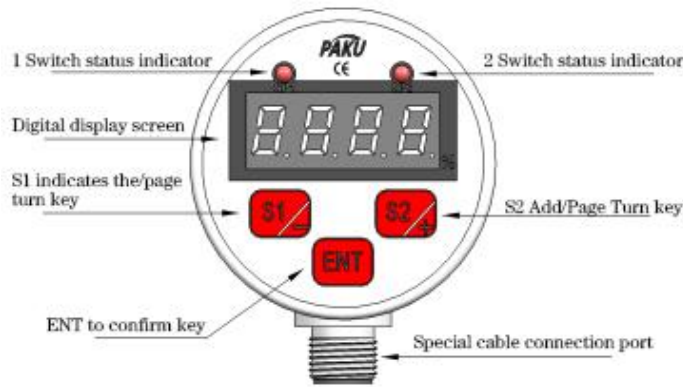
technical specification

- ◆ Settings range: user-defined Settings
- ◆ Signal output: PNP,NPN, relay, analog 4–20mA
- ◆ Power supply: 24V ± 20%DC
- ◆ Switch on current: maximum 400mA(PNP or NPN type)
Maximum 1A@48V (relay type)
- ◆ No-load current: Max. 80mA
- ◆ Flow indicator: LED digital tube
- ◆ Setting method: press the key
- ◆ Voltage range: 100bar
- ◆ Temperature gradient: ≤4° C/S
- ◆ Response time: 1–13s, typical 2s
- ◆ initialization time: about 8s
- ◆ Electrical protection: reverse phase, short circuit, overload protection
- ◆ Protection grade: IP67
- ◆ Medium temperature: -20–80° C
- ◆ Ambient temperature: -20–80° C
- ◆ Storage temperature: -20–100° C
- ◆ Wiring mode :M12 connector/Optional 2 meters line optional
- ◆ Material: Probe: stainless steel
stainless steel housing
Weight: about 0.4kg

dimension figure



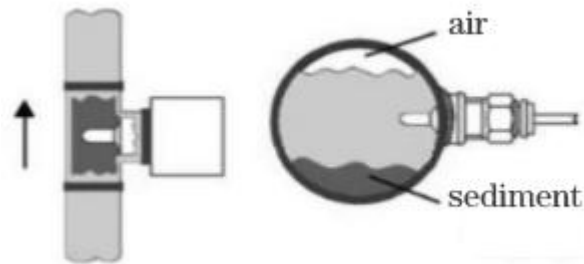
The panel figure



installation instructions

For vertical installation, it should be installed on the pipe section flowing from bottom to top.

When mounted horizontally, the probe should be kept away from air and sediment.



Selection table

SN12	-	G2H	A	1	1	X	A	30	specification
SN12	-								SN12 series electronic digital display flow
		M1K							Interface thread M18*1.5 internal thread
		G2H							With the installation accessories, it is
		G4H							Interface thread G1/2 female thread
									Interface thread G1/4 male thread
									Custom threads, such as NPT1/2, type N12
			A						DC DC24V ± 20% power supply
				1					PNP output
				2					NPN output
				3					relay output
					1				1 switch output
					2				1 switch output +1 4-20mA analog output
						X			Probe material: 304 stainless steel
						XL			Probe material: 316L stainless steel
							A		Connector type (standard with 2 meters of
							B		B Straight out
								30	Probe rod length unit mm (including thread)
								L	Customized probe rod length unit mm

* The factory is standard equipped with electrical accessories M12 connector type ZL05-PU02FG

* Select M18*1.5 internal thread installation mode, please pay attention to the selection of installation accessories

* Customizable thread, H for external thread, K for internal thread

* For selection of electrical accessories and installation accessories, please refer to the appendix page on page -

* The selection table is only available for parameter selection, and the corresponding code is delivered.