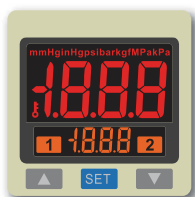
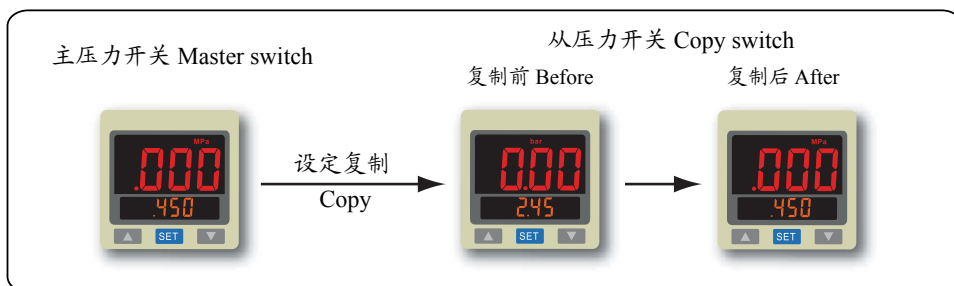


特性 Features

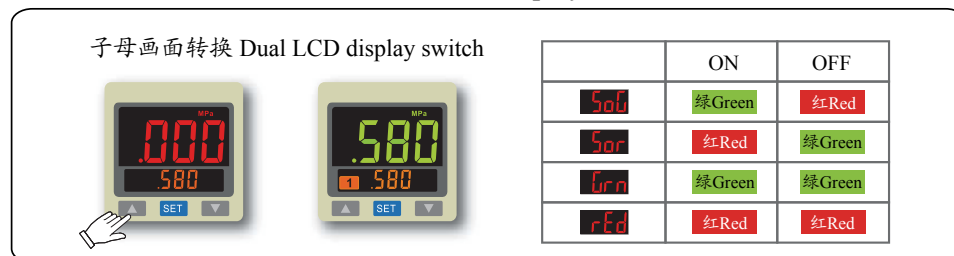
- 三色数位LCD显示, 易于判读
3-color digital LCD display for easy readout
- 压力单位可变换 kPa, MPa, kgf/cm², bar, psi, InHg, mmHg
Programmable pressure units: kPa, MPa, kgf/cm², bar, psi, InHg, mmHg
- 参数复制功能 Measurement settings can be copied
- LCD子母画面显示可以显示设定值
Dual LCD display allows setting value to be displayed
- 锁键显示 Key lock indicator
- 2 NPN或2 PNP输出, 模拟输出1~5V或4~20mA
2 NPN or 2 PNP output, Analog output: 1~5V or 4~20mA



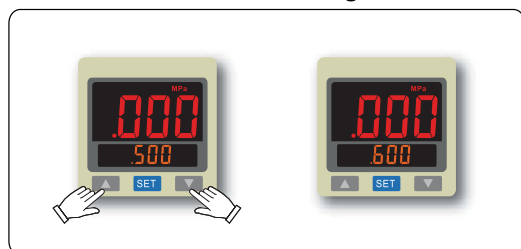
设定参数可复制 Measurement settings can be copied



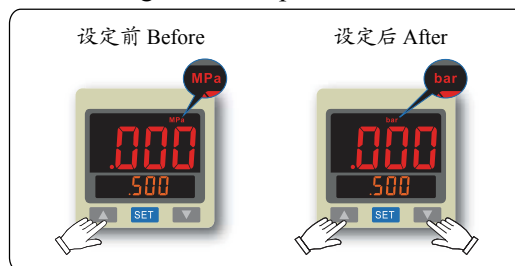
子母画面显示 Dual LCD display



单点快速设定 One Point Setting



压力单位可变换 Programmable pressure units



不考虑接管与配线连接顺序
No need to consider the sequence of connecting port and cable

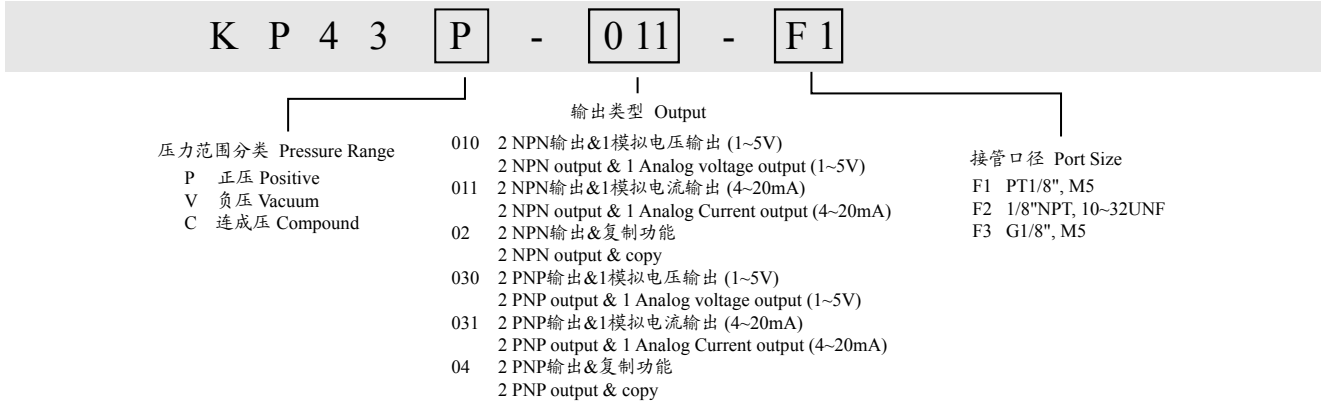
数显型压力开关 Series KP43

Pressure Switch with Digital Display

规格 Specifications

型号 Model	KP43P 正压 Positive	KP43V 负压 Vacuum	KP43C 连成压 Compound
设定压力范围 Set pressure range	-0.1~1.0MPa	-101.3~10KPa	-101~101KPa
设定压力精度 Set pressure resolution	0.001MPa	0.1KPa	
保证耐压力 Proof pressure	1.5MPa	300KPa	
适用流体 Fluid	空气，非腐蚀性、不可燃气体 Air, neither corrosive nor flammable gas		
电源电压 Power supply voltage	12~24VDC ± 10% (波动度 Ripple (p-p) ≤10%)		
消耗电流 Current consumption	≤ 40mA (无负载时 None loaded)		
开关输出规格 Switch output	最大负载电流 Max. load current: 125mA; 最大供应电压 Max. supply voltage: 30V DC(NPN), 24V DC(PNP); 内部压降 Residual voltage: ≤ 1.5V		
重复精度 Repeatability	≤ ± 0.2% F.S. (± 1 单位) (± 1 digit)		
应差 Hysteresis	可调1~8个单位（仅单点设定模式和窗口比较模式） Adjustable within 1~8 digits for one point setting mode and window comparison mode		
反应时间 Response time	≤ 2.5ms（预防误动作功能 chattering-proof function: 25ms, 100ms, 250ms, 500ms, 1000ms, 1500ms optional)		
输出短路保护 Output short circuit protection	有 Yes		
显示 Display	3色（红/绿/橙）LED显示（取样率：5次/秒） 3-color (red/green/orange) LED display (sampling cycle: 5 times/s)		
显示精度 Display accuracy	≤ ±2% F.S. (± 1 单位) (± 1 digit) (温度 ambient temperature : 25±3℃)		
动作提示灯 Switch ON indicator	橙色Orange（1&2指示灯 indicator）OUT1/OUT2		
模拟输出 Analog output	输出电压 Output voltage: 1~5V ≤ ± 2.5% F.S. (额定压力范围 within rated pressure range), 线性 Linearity ≤ ± 1% F.S., 输出阻抗 Output impedance: ≈ 1KΩ;		
	输出电流 Output current: 4~20mA ≤ ± 2.5% F.S. (额定压力范围 within rated pressure range), 线性 Linearity ≤ ± 1% F.S., 最大负载阻抗 Max. load impedance 300Ω(12V)/600Ω(24V), 最小负载阻抗 Min. load impedance 50Ω		
防护等级 Enclosure	IP40		
周围温度 Ambient temp. range	操作 Operation: 0~50℃, 保存 storage: -10~60℃ (无凝结及冻结 no condensation or freezing)		
周围湿度 Ambient humidity range	操作/保存 Operation/storage: 35~85% RH (无凝结 no condensation)		
耐电压 Withstand voltage	1000V AC 1分钟 in 1 minute (引线及外壳间 between case and lead wire)		
阻抗绝缘 Insulation resistance	≥ 50MΩ (500VDC) (引线及外壳间 between case and lead wire)		
耐振动 Vibration resistance	复振幅 Total amplitude 1.5mm, 10HZ~55HZ~10HZ/min., X/Y/Z每个方向各2个小时 2 hours in each direction of X/Y/Z		
耐冲击 Shock resistance	100m/s² (10G), X/Y/Z每个方向各3次 3 times in each direction of X/Y/Z		
温度特性 Temperature characteristic	≤ ± 2.5% F.S. 比较参考温度 of detected temperature 25℃ (0~50℃温度范围内 at temperature range of 0~50℃)		
接管口径 Port size	F1: R1/8", M5; F2: 1/8"NPT, 10~32UNF; F3: G1/8", M5		
电源线规格 Lead wire	耐油PVC电线 Oil-resistance cable (0.15mm²)		
重量 Weight	≈ 80g (含2米电线 with 2-meter lead wire)		

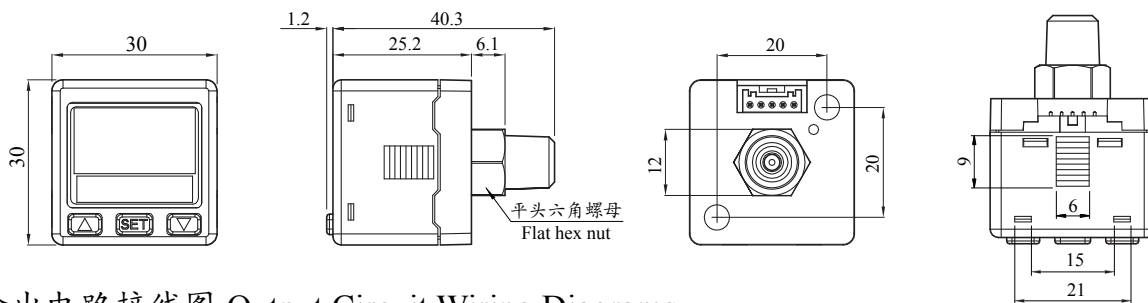
型号表示方法 How To Order



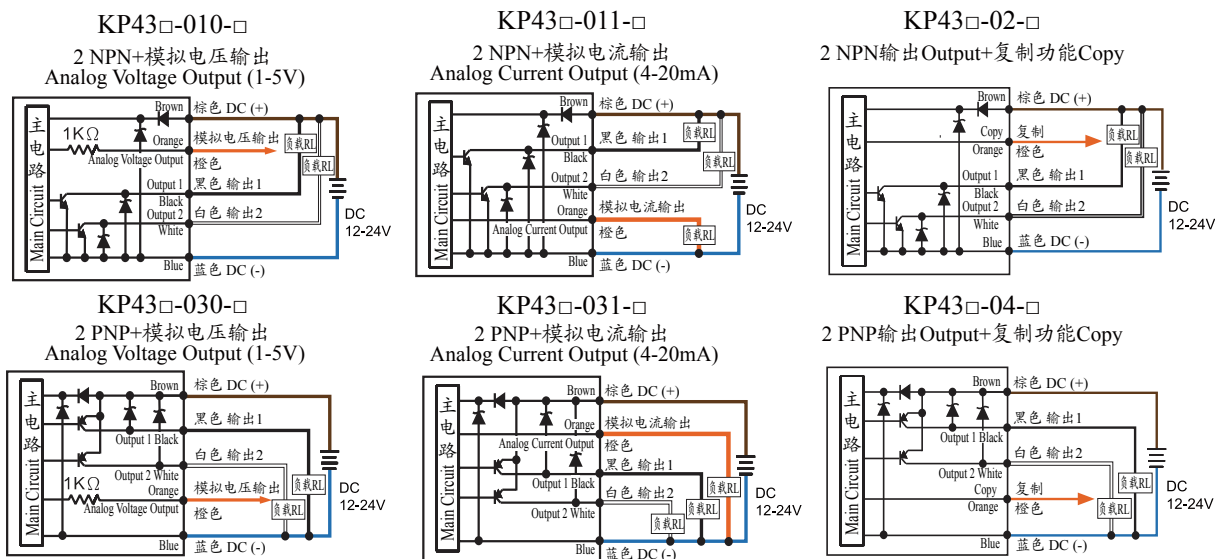
数显型压力开关 Series KP43

Pressure Switch with Digital Display

外形尺寸图 Dimensions (mm)

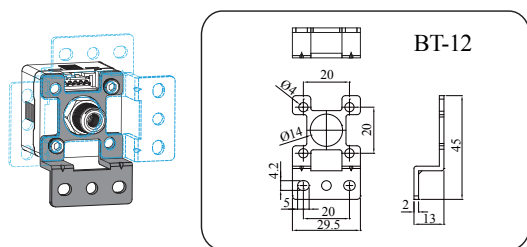


输出电路接线图 Output Circuit Wiring Diagrams

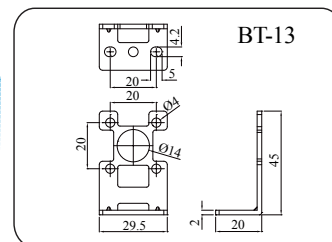


配件尺寸图 Accessories Dimensions (mm)

固定架 Mounting Bracket BT-12

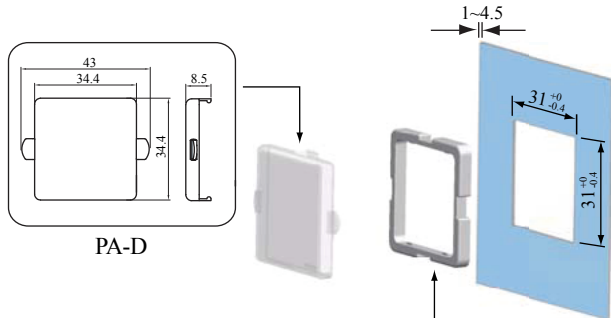


固定架 Mounting Bracket BT-13



面板接合器 Panel Mount Adapter + 前保护盖 Front Protective Lid

前保护盖 Front Protective Lid PA-D



面板接合器 Panel Mount Adapter PA-C

