

FSVB 系列直流电压传感器

产品介绍/Product introduction

FSVB系列电压传感器是一种利用电隔离原理将被测电压转换成与原边电压成比例跟随输出的电流或电压信号的测量模块，原副边之间高度绝缘，具有高精度、高线性度、高集成度、体积小结构简单、长期工作稳定且适应各种工作环境的特点。广泛地应用在电力、石油、煤矿、化工、铁路、通信、楼宇自控等行业的电气设备的系统控制及检测。

FSVB series voltage sensor is a measurement module that converts the measured voltage into the output current or voltage signal by using the principle of electrical isolation. It is highly insulated between the primary and secondary sides, and has the characteristics of high accuracy, high linearity, high integration, small size, simple structure, long-term stability and adaptability to various working environments. Widely used in electric power, petroleum, coal, chemical, railway, communication, building automation and other industries of electrical equipment system control and testing.

★用于测量直流电压 ★响应速度快 ★过载能力强 ★精确度高 ★ DIN导轨安装

★原副边高度绝缘

★ For measuring DC voltage ★ Fast response ★ Strong overload capability ★ High accuracy ★ DIN guide

Rail mounting

★ The original secondary side is highly insulated

选型信息(见右图)/Type selection information (see right chart)

额定测量/Rating measurement:

0.075 120 300 500 600 1000 2000 Vdc

额定输出/Rated output:

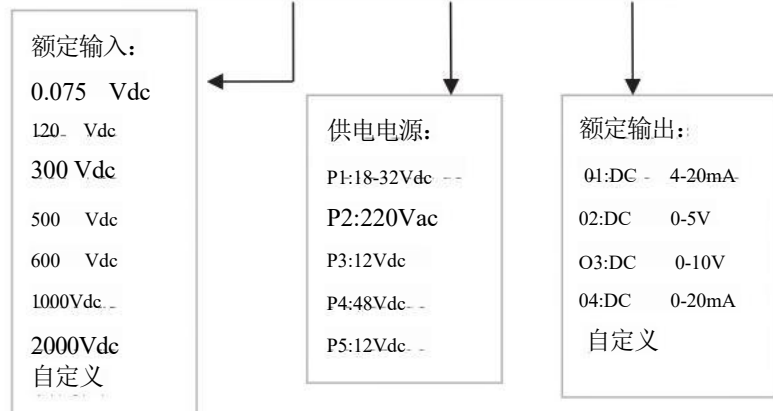
01:DC 4-20mA ,02:DC 0-5V ,03:DC 0-10V,

04:DC 0-20mA

供电电源/Power supply:

P1:24Vdc,P2:220Vac,P3:12Vdc,P4:48Vdc,
P5:12Vdc

FSVB -Input-Supply -Output



电参数/Electrical characteristics

V _{pn}	额定电压值(V _{dc}) Rated voltage (V _{dc})	0.075 120 300 500 600 1000 2000
V _P	对应测量电压范围 (V _{dc}) Corresponding measuring voltage range (V _{dc})	120%*I _{pn}
V _{ov}	过载能力 Overload capacity	150%*I _{po}
V _{sn} (对应于电压输出型)	输出电压(V) Output voltage (V)	DC 0-5V, DC 0-10V,
I _{sn} (对应于电流输出型)	输出电流(I _{rms}) Output Current (I _{rms})	DC 0-20mA,DC 4-20mA,
X	精度 (T _a =+25°C) Accuracy (T _a =+25°C)	0.5%
EL	线性度误差 Linearity error	0.2%
V _c	电源电压 Supply voltage	P _n ±5%
V _{off} /I _{off}	失调电压 / 失调电流 (T _a =+25°C) Offset voltage/offset current (T _a =+25°C)	50mV(对应于电压输出型)/80uA (对应于电流输出型) 50mV(for voltage output type)/80uA (for current output type)
Tr	反应时间 Reaction time	≤10mS
f	频率范围 Frequency range	DC
I _c	耗电 Power consumption	50mA(电流型输出: +I _s)