



BSTRSZ 热式流量计 / Thermal Flow Meter



特点 / Features

- ▲ 无须压力温度补偿，直接测量气体质量流量，组成简单，可双向测量，出现故障概率小；
- ▲ 量程比高（大于 100 : 1），装卸方便，使用简便；
- ▲ 快速响应，精度高，无活动部件，结构坚固，抗振动；
- ▲ 灵敏度高，尤其适合于大管径、低流速的流量测量；
- ▲ 现场显示，信号输出，上下限报警等；
- ▲ 可应用于高温场合和腐蚀环境中。
- ▲ No pressure and temperature compensation required, directly measuring gas mass flow rate, simple composition, bi-directional measurement, and low probability of failure;
- ▲ High range ratio (greater than 100:1), convenient for loading and unloading, and easy to use;
- ▲ Quick response, high accuracy, no moving parts, sturdy structure, and anti vibration;
- ▲ High sensitivity, especially suitable for flow measurement with large diameters and low flow rates;
- ▲ On site display, signal output, upper and lower limit alarms, etc;
- ▲ Can be applied in high-temperature environments and corrosive environments.



技术参数 / Technical Parameter

性能 Performance	技术参数 Technical Parameter	
结构形式 Structural Style	插入式 Insert Type	管道式 Pipeline Type
测量介质 Measurement Medium	各种气体(乙炔气除外) Various gases (excluding acetylene gas)	
管径范围 Pipe Diameter Range	DN50以上口径 Diameters above DN50	DN15~200mm
流速范围 Flow Velocity Range	0.1~120 Nm/s	
准确度 Accuracy	±1~2.5%	
工作温度 Working Temperature	传感器/sensor: -40~+220℃; 转换器/converter: -20~+45℃	
工作压力 Working Pressure	介质压力/Medium pressure ≤ 2.5MPa	介质压力/Medium pressure ≤ 4.0MPa
供电电源 Power Supply	DC 24V 或者(or) AC220V ≤ 18W	
响应速度/Response Speed	1s	
输出信号 Output Signal	4~20mA(光电隔离, 最大负载500Ω)、脉冲、RS-485(光电隔离)、HART协议 4~20mA (photoelectric isolation, maximum load 500 Ω), pulse, RS-485 (photoelectric isolation), Hart protocol	
报警 Alarm	1~2路继电器常开触点、10A/220V/AC、5A/30V/DC 1~2 relay normally open contacts, 10A/220V/AC, 5A/30V/DC	
供货类型 Supply Type	分体结构、一体化结构 / Split structure、integrated structure	
管道材质 Pipeline Material	碳钢、不锈钢、塑料等 Carbon steel, stainless steel, plastic, etc	
现场显示 On Site Display	四行汉字液晶显示 Four line Chinese character LCD display	
显示内容 Show Contents	质量流量、标况体积流量、累积流量、标准时间、累积运行时间、标准流速等 Mass flow rate, standard volumetric flow rate, cumulative flow rate, standard time, cumulative operating time, standard flow rate, etc	
防护等级/Protection Level	IP65	
传感器材质 Sensor Material	不锈钢 Stainless steel	不锈钢、碳钢 Stainless steel, carbon steel