错误引线

管道温度传感变送器用户手册 BW-1000系列

感器及铂电阻、热敏电阻温度传感器。 本手册适用于管道安装的BW-1000 系列温度传

1. 用途

变送器适用于温度测量及自动控制系统。 头及特殊设计的高精度模拟检测放大电路, 该类传感 BW-1000 系列温湿度传感器采用高可靠性检测探

2. 规格

| ŀ | | | 温度 | | 类别 |
|---------------------------------------|----------------------|---------------------|--|--|-----------------------|
| 学者 十三条 中国的 化最级可作用 10V. 0 WIV 并有由法格中国的 | BW-RT10K BW-RT20K | BW-100PT BW-1KPT | BW-1000TB/050 (0~100) °C BW-1000TB/02050 (0~100) °C | BW-1000TA/050 BW-1000TA/02050 BW-1000TA/0100 | 型号 |
| 开口品品工 | (−20~70)°C | (−50~150)℃ | J. (001~0) | J.(05~0.6-) | 测量范围 |
| H 1 OV . OVV C | 热敏电阻 | 铂电阻 | $(4{\sim}20)\mathrm{mA}$ | (0~10)∀ | 测量范围 输出信号 (DC) 电源电压 |
| *** ++ | | | +15V∼35V (DC) | | 电源电压 |
| 基基子 | | | | | |

则仅能使用直流电压 注意: 电压输出型的传感器可使用12V~24VAC供电, 电流输出型的

ယ . 设数

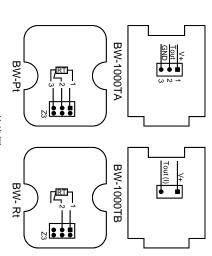
用套管见图 3, 安装方式见图 4。 风道壁上, 开孔及安装方法见图 2, 水路安装时应使 传感器尺寸图见图1,风道安装时可直接固定在

圈、电机等)供电的导体分开,电压输出型传感变送 线应与电压走线或其它高电感性负载(接触器、线 器一侧的接线端子上(通常为地),传感变送器的接 缆以预防干扰,如采用屏蔽电缆需将屏蔽层接在控制 度则可相应延长, 器,应避免电缆长度超过50m;电流输出型其电缆长 各接线端子可接 1.5mm 以下导线, 采用屏蔽电

4.1注意

专业人员实施。 所有引线应与域码相符, 并且接线工作只能由

封橡胶垫圈不得丢失,且螺钉需拧紧,避免蒸汽进入。 传感器应避免水滴入或沿导线进入电路部分,密



接线图

另请注意不要用手触摸电路元件,以防损坏。

4.2 警告

接线可造成本单元损坏。 通电之前完成全部接线并核对其正确性, 不正确的

5. 校准

传感变送器在工厂校准,不可现场校准。

6. 系统检查

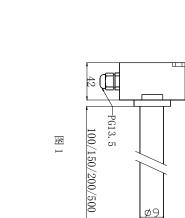
传感器端直接测量判定。 器)进行重新检查。必要时应断开负载,使用电压表 现异常现象,应对系统各单元和接线(包括传感变送 (电压输出型传感器)、电流表(电流输出型传感器)在 定测量值是否正确的检定时间不应少于1小时。如出 应通过主设备运行至少一个完整周期来检查系统,确 确认正确安装并对测量控制器进行必要调节之后,

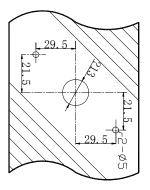
7. 修理与更换

的故障说明。 的供应商联系,如需修理或更换,请提供尽可能详细 不可进行现场修理,出现异常情况,请与您最近

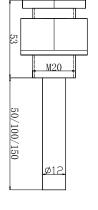
8. 特别说明

考,详细的电气接线图印于产品本身。 由于产品不断改进,本说明书电气连接图仅供参









<u>※</u>3

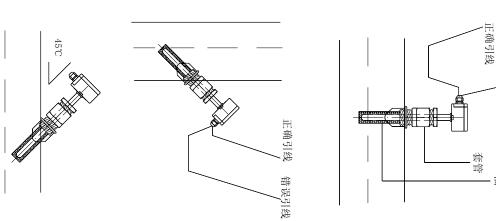


图4



BW-1000 Series

User's manual of Pipeline Temperature Sense Transmitter

This manual is suitable for pipelines installed BW-1000 series temperature sensors and platinum resistance, thermistor temperature sensor.

1. Application

BW-1000 Series temperature and humidity sensor with high reliability test probes and a specially designed high-precision analog detection amplifier circuit. This type of sense transmitter is applicable for temperature measurement and auto-control system.

2. Specifications

| C | (-50~150)♥ Platinum Resistor (-20~70)♥ Thermistor | (-50~150)℃ (-20~70)℃ | BW-100PT BW-1KPT BW-RT10K BW-RT20K | |
|-----------------|--|-------------------------|--|----------|
| +15V~35V | (4~20)mA | (0~100)℃ | BW-1000TB/050 BW-1000TB/02050 Tempera-BW-1000TB/0100 ture | Tempera- |
| | (0~10)V | (0~50)℃ | BW-1000TA/050 BW-1000TA/02050 BW-1000TA/0100 | |
| Power supply | Scopeing Output signal(DC) | Scopeing | Model | Category |

Note: Power supply12V~24VAC/15V~35VDC,voltage output.
15V~35VDC,current output.

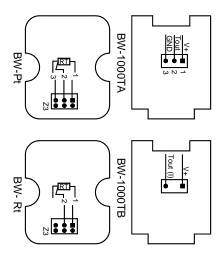
3. Installation

The sensor dimensions see Figure 1. When installed in the wind channel, the sensor can be fixed on the wall of the wind channel directly, refer to the attached drawing for the methods of trepanning and installing(see Figure 2). When installed in the waterway, casing pipe should be adopted so that the sensor can be fixed more easily (see Figure 3) and the installation see Figure 4.

t. Wiring

Each wiring terminal can be connected with the wire whose dimension is under 1.5mm. Of curse it should be the best to adopt the shield cable in that it can prevent interference. In the condition that the shield wire is adopted, the shield layer should be connectedon the wiring terminal (usually grounding)

voltage or other conductors which supply power to at one side of the controller, the wiring of sense transmitter should be separated from the wiring of high inductive load (contactor, coil, electrical machinery). When using the voltage output sense transmitter, the length of the cable should be less than 50m, when using the current output sense transmitter, the length of the cable can be selected relatively longer than that.



Wiring Diagram

4.1 Note

All the fuses should be in accordance with the realm code, and the wiring process must be done by professional personnel.

The series sensor should avoid water dripping in or along the wire entering its electric circuit component. The sealed up rubber circle should not be missed and the screw should be tightened in order to refrain the steam from coming inside the sensor. Another thing to be advised is that please do not touch the electric circuit component for they may be damaged.

4.2 Warning

Accomplish the wiring task and check up its correctness before setting up an electric circuit, incorrect wiring may cause damage to the unit.

Calibration

The sense transmitters are calibrated in factory, can not be calibrated in the field.

6. System examination

After correct installation and necessary regulation of the measuring controller, the system should be examined by operating the main facilities at least one complete cycle. If there is any unusual appearance appears, each unit of the system and the wiring (including the sense transmitter) should be examined repeatedly.

7. Repair and replacement

On the scene repair is forbidden, if there is something unusual happens, please get in touch with the nearest supplier. If repair or replacement is needed, please supply us with information about the condition of the trouble in detail.

8.Special Note

As the products are improved constantly, the manual electrical connection diagram for reference only detailed electrical wiring diagram was printed on the product.

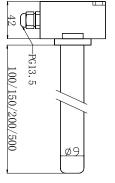


Figure 1

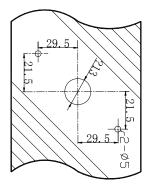
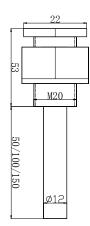
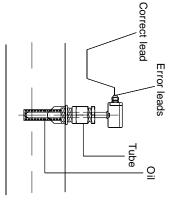


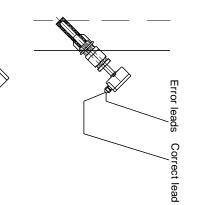
Figure 2



Beston Intelligent Technology Co., Ltd.

Figure 3





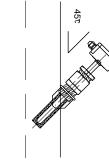


Figure 4