

JP 型 Medical temperature probe

Product Manual

version: A0



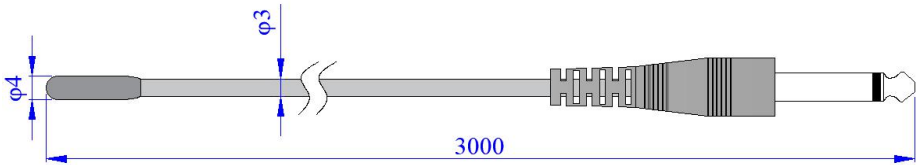
❖ Product instruction

Medical temperature sensor, be named as medical temperature probe, cooperate with medical instrument or equipment, it's used for human body temperature measurement.

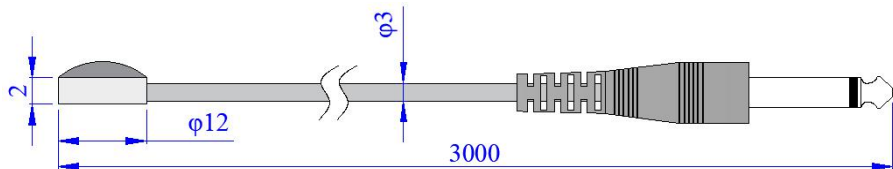
❖ Product category

The dimensions of medical temperature sensor and the outer shell of temperature probe are designed according to the customer requirements:

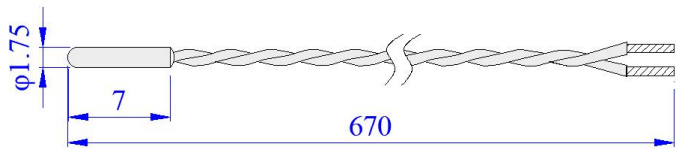
Model No.	RT curve	Probe	Wire spec.	Connector	Part
JP401	R25=2.252K Ω 、 10K Ω 、 50K Ω ...	Epoxy bead	PVC/TPU sheath	Audio plug, aviation plug、 USB plug、 Molex plug...	Human body surface/body cavity

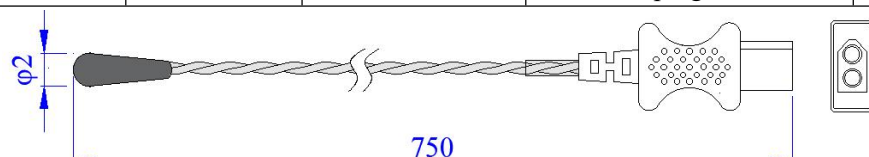


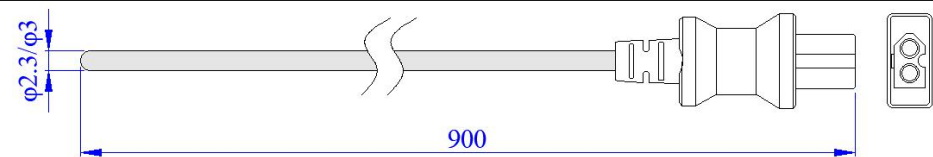
Model No.	RT curve	Probe	Wire spec.	Connector	Part
JP402	R25=2.252K Ω 、 10K Ω 、 50K Ω	Metal disk	Sheath wire/parallel cable	Audio plug, aviation plug、 USB plug、 Molex plug...	Body surface

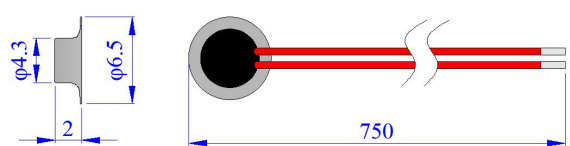


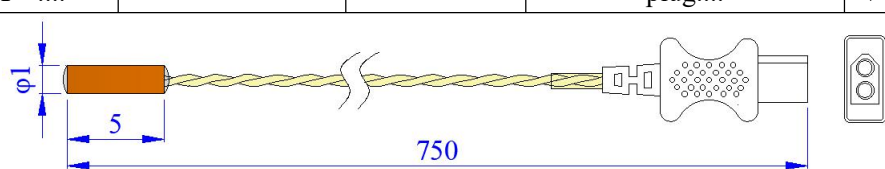
Model No.	RT curve	Probe	Wire spec.	Connector	Part
JP403	R25=2.252K Ω 、 10K Ω 、 50K Ω	Plastic shell	Stranded wire/parallel wire	Audio plug, aviation plug、 USB plug、 Molex plug...	Body surface



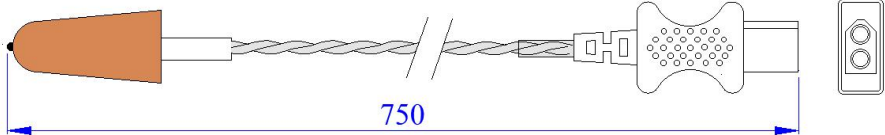
Model No.	RT curve	Probe	Wire spec.	Connector	Part
JP404	R25=2.252K Ω 、 10K Ω 、50K Ω	Epoxy bead	Stranded wire/parallel wire	Audio plug, aviation plug、USB plug、Molex plug...	Body surface
					

Model No.	RT curve	Probe	Wire spec.	Connector	Part
JP405	R25=2.252K Ω 、 10K Ω 、50K Ω	PVC sleeve	Stranded wire/parallel wire	Audio plug, aviation plug、USB plug、Molex plug....	Body cavity
					

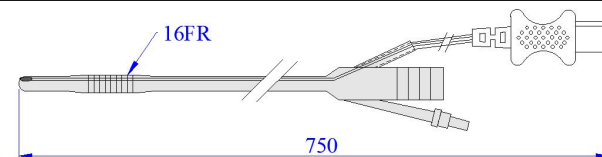
Model No.	RT curve	Probe	Wire spec.	Connector	Part
JP406	R25=2.252K Ω 、10K Ω 、50K Ω	Stainless steel shell	Enamelled wire	Audio plug, aviation plug、USB plug、Molex plug....	Body surface
					

Model No.	RT curve	Probe	Wire spec.	Connector	Part
JP407	R25=2.252K Ω 、10K Ω 、 50K Ω	Polyimide tube	Enamelled wire	Audio plug, aviation plug、USB plug、Molex plug....	Body surface/P VC sleeve
					

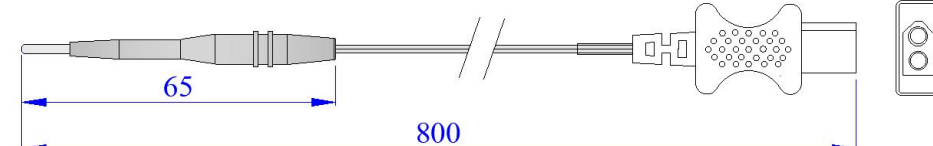
Model No.	RT curve	Probe	Wire spec.	Connector	Part
JP410	R25=2.252K Ω 、 10K Ω 、50K Ω	Eardrum probe	Stranded wire/parallel wire	Audio plug, aviation plug、USB plug、Molex plug....	Ear canal



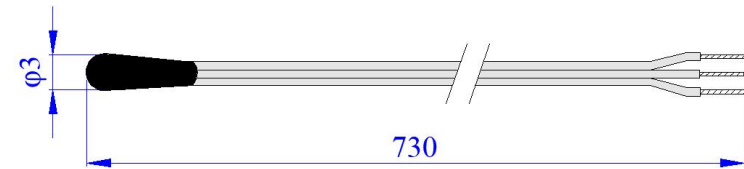
Model No.	RT curve	Probe	Wire spec.	Connector	Part
JP411	R25=2.252K Ω 、 10K Ω 、50K Ω	Catheter	Stranded wire/parallel wire	Audio plug, aviation plug、USB plug、Molex plug....	Body cavity

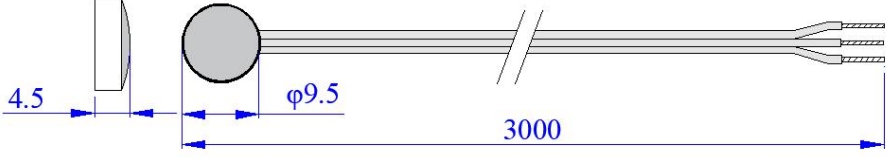


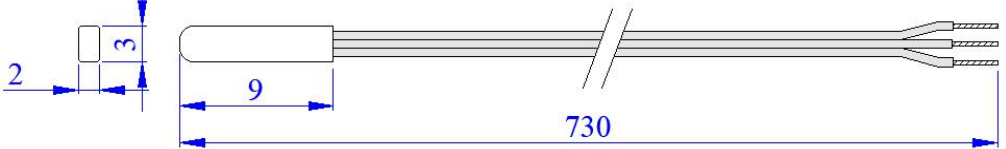
Model No.	RT curve	Probe	Wire spec.	Connector	Part
JP412	R25=2.252K Ω 、 10K Ω 、50K Ω	tempilstick	Stranded wire/parallel wire	Audio plug, aviation plug、USB plug、Molex plug....	Body surface



Model No.	RT curve	Probe	Wire spec	Connector	Part
JP701	R25=2.252K Ω 、 10K Ω 、50K Ω	Epoxy bead	3-Conductors wire/CP wire/sheathed wire	Audio plug, aviation plug、USB plug、Molex plug....	Body surface or PVC sleeve



Model No.	RT curve	Probe	Wire spec	Connector	Part
JP702	R25=2.252K Ω 、 10K Ω 、50K Ω	Metal disk	3-Conductors wire/ sheathed wire	Audio plug, aviation plug、USB plug、Molex plug....	Body surface
					

Model No.	RT curve	Probe	Wire spec	Connector	Part
JP703	R25=2.252K Ω 、 10K Ω 、50K Ω	Plastic	3-Conductor wire/ sheathed wire	Audio plug, aviation plug、USB plug、Molex plug....	Body surface
					

❖ 产品性能指标

1、工作条件

- a) 环境温度：0℃～+50℃；
- b) 相对湿度：30%～80%,非冷凝；
- c) 大气压力：86 kPa～106kPa；

2、外观与机械安全性

- a) 线材外观应圆实平滑，颜色均匀，线材外被表面无明显破损、划伤、变形等缺陷。
- b) 探头表面圆滑，以防止使用过程中造成组织损伤。
- c) 插头、探头和标签说明书上的标志、文字符号等应清晰、端正。

3、测量范围

至少为 25℃～45℃。

4、最大允许误差

在 25℃～45℃的测温范围内最大允许误差为：±0.1℃。

5、时间响应

将温度探头与数字万用表连接，将处在环境温度为 $(23\pm 2)^{\circ}\text{C}$ 中的医用温度传感器部分浸入温度为 $(44\pm 1)^{\circ}\text{C}$ 恒温水槽中，150 秒后比较医用温度传感器测量的阻值对应电阻-温度转换表所查得的相应温度值与参考温度计的示值误差满足 $\pm 0.1^{\circ}\text{C}$ 。

6、长期稳定性

将体温探头置于 $(55\pm 2)^{\circ}\text{C}$ 恒温空气箱中 288 小时，或置于 $(80\pm 2)^{\circ}\text{C}$ 的恒温空气箱中 96 小时，冷却室温后，分别在 $(25\pm 1)^{\circ}\text{C}$ 、 $(37\pm 1)^{\circ}\text{C}$ 、 $(45\pm 1)^{\circ}\text{C}$ 检测医用温度传感器的最大误差满足 $\pm 0.1^{\circ}\text{C}$ 。

7、清洗、消毒

用酒精棉擦拭医用温度传感器与患者接触的部分后并将该部分在医用酒精中浸泡 5min。按此方法清洗消毒 20 次后，医用温度传感器的最大误差满足 $\pm 0.1^{\circ}\text{C}$ 。

❖ 包装

本产品采用医用纸塑袋进行密封包装，包装前对产品进行消毒处理（无灭菌）。