

技术咨询与报价

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DATAPAQ ER6061炉温仪数据记录器

精确而又持久

EasyReflow系统旨在以有竞争力的价格来提供全能而又坚固的数据记录器。该记录器与全世界数千家工厂中使用的其他Datapaq系列记录器采用同样高的制造标准。记录器用三个LED来清晰地指示内部状态和电池状态，并可通过按钮来启动和停止。所有结果都可通过高速USB接口发送到运行Insight-EasyReflow软件的电脑上。

ER6061记录器能够通过多达6只K型热电偶来测量产品温度。其精度达到 $\pm 0.5^{\circ}\text{C}$ ，每只热电偶采集读数的速率可达每秒钟10次。每套装置都经过精度测试并可在高达 85°C 的最高内部工作温度下保证精度。

智能电源管理、非易失存储器以及用后自动断电等功能可使您尽情享受用可更换电池的好处。



EasyReflow 隔热箱.....

EasyReflow隔热箱保护记录器可穿越最长最热的焊接过程，使记录器在 300°C 下和长达8分钟内保持在其工作温度范围内。隔热箱薄而坚固的不锈钢外壳内使用了当今最高品质的微孔陶瓷隔热材料，足以应对生产线的严酷环境。宽度仅90mm，在处理最窄的电路组件时也可使用。31mm的总高使其能够穿越绝大多数回流焊接炉。

Datapaq炉温仪热电偶

PA0210

快速响应外露接点式

回流焊接行业通用的标准热电偶，由K型热电偶导线构成。每个导体都经过PTFE绝缘并扭绞在一起以免在使用中发生缠结。导线直径为0.2mm，很好地兼顾了尺寸和强度。热电偶尖预先镀锡以便焊接在PCB上。建议使用活性焊剂和高温焊料将此热电偶附接到PCB组件上。



PA0215

纤维隔热探头

外露接点K型热电偶由带有玻纤隔热层的0.2mm导线构成。这种探头可在高达 500°C 下连续使用，因此非常适合高温焊接用途。为了得到最佳结果，建议用活性焊剂和高温焊料来附接探头。



Thermocouples

for use with Reflow Tracker® systems

PA0210 FAST RESPONSE EXPOSED JUNCTION

This is the standard thermocouple used throughout the reflow industry and is constructed from type K thermocouple wire. Each conductor is PTFE insulated and then twisted together to prevent tangling in use. The wire diameter is 0.2 mm (.007 in), providing a good compromise between size and strength. The thermocouple tip is pre-tinned to ease soldering to the PCB. We recommend the use of an activated flux and high temperature solder to attach this thermocouple to the PCB assembly.

Thermocouple Material	Type K Special Limits of Accuracy
Accuracy	±1.1°C or 0.4% of the reading (whichever is greater)
Length	800 mm (31.4 in)*
Conductor Diameter	0.2 mm (.007 in)
Temperature	265°C (509°F) maximum

* Other lengths available on request

PA1683 FINE WIRE

This thermocouple has been developed specifically for use with BGA and ultra fine pitch surface mount components. The type K thermocouple conductors are 0.1 mm (.003 in) in diameter, each insulated with PTFE. The two conductors are then over-wrapped with a single outer PTFE sheath to prevent tangling in use. The recommended attachment method is activated flux and high temperature solder. For BGA, the accepted practice is to drill through the PCB and insert the tip until it touches a ball, and then bond the thermocouple wire in place.

Thermocouple Material	Type K to British Standard Class I
Accuracy	±1.5°C or 0.4% of the reading (whichever is greater)
Length	500 mm (19.6 in)
Conductor Diameter	0.1 mm (.003 in)
Temperature	265°C (509°F) maximum

PA1571 ULTRA FINE DIAMETER, MINERAL INSULATED

The PA1571 is intended for use in high temperature applications. It is a Type K mineral insulated thermocouple with an Inconel outer sheath. The overall diameter is 0.5 mm (.01 in). It can operate to 1000°C (1832°F). Attachment method will depend on the application, but can include ceramic cement or mechanical fixtures.

Thermocouple Material	Type K to British Standard Class I
Accuracy	±1.5°C or 0.4% of the reading (whichever is greater)
Length	600 mm (23.6 in)
Conductor Diameter	NA (outer sheath is 0.5 mm / .01 in)
Temperature	1000°C (1832°F) maximum

PA0215 FIBER INSULATED PROBE

Exposed junction type K thermocouple constructed from 0.2 mm (.007 in) wire with glass fiber insulation. This probe is designed for continuous use up to 500°C (932°F) and is, therefore ideally suited to high temperature soldering applications. For best results, we recommend that the probe is attached using an activated flux and high temperature solder.

Thermocouple Material	Type K Special Limits of Accuracy
Accuracy	±1.1°C or 0.4% of the reading (whichever is greater)
Length	800 mm (31.4 in)
Conductor Diameter	0.2 mm (.007 in)
Temperature	500°C (932°F) maximum

The Worldwide Leader in Temperature Profiling



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