

温度范围-196 °C至 +500 °C

- C416薄膜铂电阻温度传感器同时继承了陶瓷线绕式铂金温度传感器的理想曲线特性，并具有高抗振性和低成本的额外优点。长期稳定性，优良的抗热冲击性和无滞后工作温度范围（-196℃ + 500℃）为化学和制药加工，低温，分析设备和冷链监测提供理想的解决方案。

标称电阻测量点距离传感器本体末端 8 mm

Pt100 Ω : 0.3 to 1 mA
(必须考虑自加热)



C416, 符合DIN EN 60751的铂温度传感器

温度范围-196 °C至 +500 °C

长期稳定性

在规定的温度上限下使用 1000 小时后 0 °C 下的阻值漂移不超过 DIN EN 60751 的公差等级公差。
在 500 °C 下 1000 小时后, R (0 °C) 的阻值漂移为 0.03 %.

自热系数

0.4 K/mW 在 0 °C

绝缘阻抗

> 100 MΩ 在 20 °C
> 2 MΩ 在 500 °C

抗振动性

根据安装情况, 在10至2000 Hz的频率下, 加速度至少为40 g

抗冲击特性

根据安装情况, 至少带有8 ms半正弦波的100 g加速度

连接技术

钎焊, 锡焊

引脚材质

金钎

引脚拉力

≥ 5 N

包装

吸塑卷盘
按要求提供其他包装形式

保质期

未开封状态下至少可储存12个月

备注

其他公差, 电阻值和电线长度可根据要求提供.

由于随机取样测量, 可能会发生连接线弯曲 (称为V形). 这种弯曲是与批次相关的, 对铂测量电阻的功能没有影响.



The information provided in this data sheet describes certain technical characteristics of the product, but shall not be qualified or construed as quality guarantee (Beschaffenheitsgarantie) in the meaning of sections 443 and 444 German Civil Code. The information provided in this data sheet regarding measurement values (including, but not limited to, response time, long-term stability, vibration and shock resistance, insulation resistance and self-heating) are average values that have been obtained under laboratory conditions in tests of large numbers of the product. Product results or measurements achieved by customer or any other person in any production, test, or other environment may vary depending on the specific conditions of use.
The customer is solely responsible to determine whether the product is suited for the customer's intended use; in this respect Heraeus cannot assume any liability. The sale of any products by Heraeus is exclusively subject to the General Terms of Sale and Delivery of Heraeus in their current version at the time of purchase, which is available under www.heraeus.com/gtc or may be furnished upon request. This data sheet is subject to changes without prior notice.

Heraeus Nexensos GmbH, Reinhard-Heraeus-Ring 23, 63801 Kleinostheim, Germany

Heraeus Nexensos GmbH, Germany
Web: www.heraeus-nexensos.com
联系/联系方式: nexensos.china@heraeus.com

Document: 20002219358 | Part 002 | Version 01 | Status: 10/2021