



FS2

热质量流量传感器

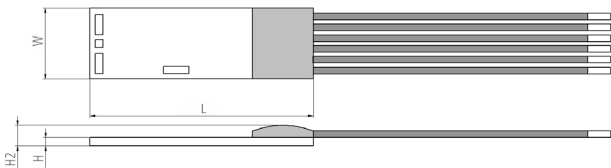
适用于气体流量及方向测量

优势与特点

- 可测量流量方向
 - 简单的信号处理
 - 出色的灵敏度
 - 稳定的铂金工艺
 - 无移动结构

- 极佳长期稳定性
 - 易于校准
 - 裸传感器可耐温达+450 °C（特定型号）
 - 出色的重现性
 - 支持用户订制

外形尺寸¹⁾



1) 实际尺寸参见机械尺寸参数

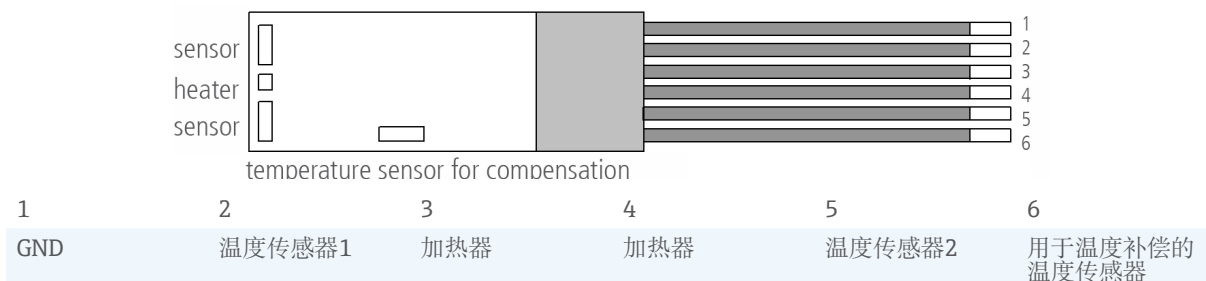
技术参数

尺寸（L x W x H / H2 in mm）：*	5.0 x 3.5 x 0.20 / 0.60
测量范围：	0 m/s to 1 m/s (半桥模式) 0 ml/min to 50 ml/min(半桥模式), 管内径为 1 mm 0 m/s to 100 m/s (CTA 模式) 0 l/min to 5 l/min (CTA 模式), 管内径为 1 mm
最小工作范围：	0 ml/min to 2.5 ml/min
响应灵敏度：	0.001 m/s (50 µl/min)
测量精度：	< 真实值2 % (取决于电路与校准)
响应时间 t ₆₃ ：	< 0.5 s
工作温度范围:*	-20 °C to +150 °C
温度敏感度:	< 0.1 %/K (取决于电路)
连接方式:*	漆包铜线, Ø 0.2 mm
加热器:*	R _H (25 °C) = 34 Ω ±10 %
测量器件:*	R _{s_i} (25 °C) = 425 Ω ±10 %
参考器件:*	R _R (25 °C) = 710 Ω ±10 %
电压范围(标称值):*	2 V to 5 V (取决于流速)

*可接受客户定制



管脚定义



产品图片



订购信息 - 漆包铜线, Ø 0.2 mm

线长	25 mm	300 mm
	FS2T.0.1E.025	FS2T.0.1E.300
订货号	103663	103742
订货号 (旧)	050.00130	050.00262



Innovative Sensor Technology IST AG, Stegrütistrasse 14, 9642 Ebnat-Kappel, Switzerland
Phone: +41 71 992 01 00 | Fax: +41 71 992 01 99 | Email: info@ist-ag.com | www.ist-ag.com

All mechanical dimensions are valid at 25 °C ambient temperature, if not differently indicated ■ All data except the mechanical dimensions only have information purposes and are not to be understood as assured characteristics ■ Technical changes without previous announcement as well as mistakes reserved ■ The information on this data sheet was examined carefully and will be accepted as correct; No liability in case of mistakes ■ Load with extreme values during a longer period can affect the reliability ■ The material contained herein may not be reproduced, adapted, merged, translated, stored, or used without the prior written consent of the copyright owner ■ Typing errors and mistakes reserved ■ Product specifications are subject to change without notice ■ All rights reserved