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差压变送器 feel FDP



差压变送器 feel FDP 非常适合用于过滤器监控、体积流量控制或房间压力监控等场景下极细微差压的精确测量。由于采用了精密传感器元件和高分辨率测量电子设备,其精度可达 ±0.2%。用户可通过 DIP 开关、蓝牙或软件,根据现场条件对测量范围、单位或输出信号等参数进行调整。对于对长期稳定性有较高要求的应用,自动调零选项可实现多年的测量值稳定性。可选配高分辨率 2.8 英寸 TFT 显示屏。为便于安装,随附卡入式框架和所有安装附件。

The differential pressure transmitter **feel FDP** is perfectly suited for the precise measurement of the finest differential pressures for filter monitoring, volume flow control or room pressure monitoring. Due to the precision sensor element and high-resolution measuring electronics, accuracies of \pm 0.2% are achieved. Parameters such as measuring range, unit or output signal can be adapted to the on-site conditions by the user via DIP switch, bluetooth or software. For applications with high demands on long-term stability, the Auto-Zero option offers measured value stability over years. A high-resolution 2.8" TFT display can be selected as an option. A snap-in frame and all mounting accessories are included for convenient mounting.

应用 | Applications:

- 楼宇自动化| Building automation
- 风机控制 | Fan control
- 过滤器监控| Filter monitoring
- · 洁净室监控| cleanroom monitoring
- 房间压力控制 | room pressure control
- 体积流量测量 | Volume flow measurement

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数据表| Datasheet

测量数据 Measurement data				
测量范围 Measurement range	压差 differential pres	ssure		
	变体 Variant P5 0 hPa 1000 hPa (标准) 可在以下范围切换 selectable between: 0250 hPa 0 500 hPa 0 750 hPa 0 1000 hPa -250 hPa 250 hPa -500 500 hPa -750 750 hPa -1000 1000 hPa			
	Variante Variant P4 0 hPa 100 hPa (标准) 可在以下范围切换 se 025 hPa 0 50 hPa -50 50 hPa -75 75	electable between: 0 75 hPa 0 100 l	nPa -25 hPa 25 hPa	
	Variante Variant P3 0 10 hPa (标准) 可在以下范围切换 selectable between: 02,5 hPa 0 5 hPa 0 7,5 hPa 0 10 hPa -2,5 hPa 2,5 hPa -5 5 hPa -7,5 7,5 hPa -10 10 hPa			
	Variante Variant P2 0 1 hPa (标准) 可在以下范围切换 selectable between: 025 Pa 0 50 Pa 0 75 Pa 0 100 Pa -25 Pa 25 Pa -50 50 Pa -75 75 Pa -100 100 Pa			
	测量范围在基础测量 Measuring range within eely configurable via so	n -100 100% of the b	T通过软件自由配置/ asic measuring range fr	
单位 Units	可由软件调节 Selectable via software: Pa, hPa, kPa, mbar, bar, psi und mmH2O			
总精度 Overall accuracy	1,0%满量程 FS 0,5%满量程 FS可选 0,2%满量程 FS可选			
长期稳定性 Long-term stability:	≤ 0,1% 满量程 / 年 FS/Year 在可选自动零点功能的情况下每年 0 % 0% FS/Year with optional auto-zero function			
温度漂移 Temperature drift	≤ 0,03% 满量程/ K (F	S/K)		
过载限制传感器元件 Overload limits sensor element	变体 Variant 1 hPa 10 hPa 100 hPa 1000 hPa	过载极限 Proof pressure 70 hPa 100 hPa 800 hPa 3000 hPa	爆破压力 Burst pressure 200 hPa 200 hPa 1000 hPa 5000 hPa	
	自动归零	5000 hPa	5000 hPa	

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intelligent electronics



时间常数 time constant	可通过拨码开关或软件选择 Selectable via DIP-switch or software 50 ms (标准) 500 ms 2000 ms 5000 ms
电气数据 Electrical data	
电源 Power supply	2227 VAC (50 Hz) / 1931 VDC
输出信号 Output signal	可通过DIP开关或软件*选择 Selectable via DIP-switch or software* 0-10 V (标准) 2-10 V 4-20 mA 0-20 mA
	可选: RS485接口(支持Modbus协议) RS485-Interface with Modbus
	可选: 2个集电极开路输出端,最大开关电压为24V直流电和1A(不具备 短路保护功能) 2 open-collector outputs with a maximum switchi ng voltage of 24VDC and 1A (not short curcuit proof)
	*电流和电压之间的切换只能通过电路板上的开关进行,而不能通过软件进行 Switching between current and voltage can only be d one by a switch on the PCB and not by software
电气连接 Electrical connections	Federzugklemmen max. 2,5 mm² 弹簧式接线端子最大2.5平方毫米
通信 Communication	微型USB B型接口, USB 2.0标准 Mini-USB type B, USB 2.0
环境条件 Ambient conditions	
工作条件 Operating conditions	湿度 Humidity 0 95% 相对湿度(无冷凝 non-condensing) 温度 Temperature -20°C - 80°C
存储条件 Storing conditions	湿度 Humidity 0 95% 相对湿度(无冷凝 non-condensing) 温度 Temperature -20°C - 80 °C
环境压力 Ambient pressure	600 1200 hPa
外売参数 Housing 尺寸 Dimensions	基本外売 Basic housing: 109,8 x 89,0 x 44,1 mm (高 x 宽 x 深 W x
/ (3 Dimensions	H x D)
压力接口 Pressure connections	Ø 6,6 x 10 mm 不锈钢I stainless steel
电缆密封接头 Cable glands	Skintop M16 x 1,5 mm (4,5 - 10 mm)
防护类型 Protection type	IP65

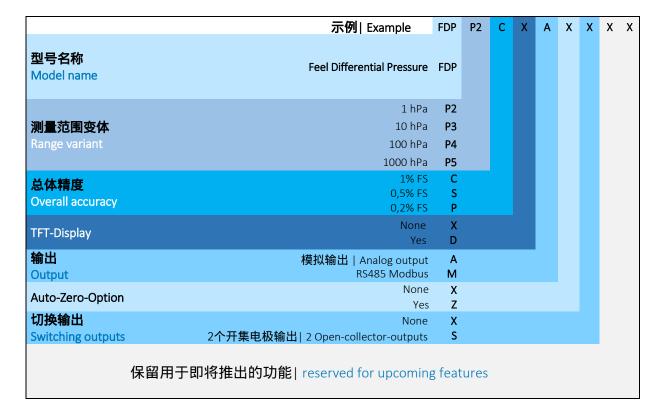
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显示 | Display

2,8" TFT-Display 320 x 240 px (optional)

型号编码| Model Code



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