

F-126AI

工業級氣體熱式質量流量計



技術規格

測量與控制

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|--------------------------|--|
| Type of media | 氣體 |
| 流量範圍 | min. 0.3...15 m ³ _n /h max.4...200 m ³ _n /h |
| 準確性 | ±1% FS |
| 再現性 | <±0.2% Rd (或 <±0.04% FS, 以較大者為準) |
| Turndown ratio | 1:50 |
| 多種流體功能 | 最多可儲存8 條校準曲線 |
| 反應時間 (感測器) | typical 0.5 sec |
| 操作溫度 | -10...+70°C; 0...+50°C for ATEX zone 2, KCs, Class1 Div 2 |
| 溫度敏感性 | zero: < 0.05% FS/°C; span: < 0.05% Rd/°C |
| Leak integrity, outboard | 經過測試 < 2 x 10 ⁻⁹ mbar l/s He |
| 壓力敏感度 | 0.1% Rd/bar typical N2; 0.01% Rd/bar typical H2 |
| 安裝 | max. error at 90° off horizontal 0.2% at 1 bar, typical N2 |
| 熱機時間 | 30分鐘 |
| 儲存/運輸條件 | 0...+50°C, max. 95% RH (non-condensing) |

審批

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|---------|---------------------------------|
| 電氣安全 | IEC 61010-1 |
| Marking | CE, UKCA, RoHS, WEEE, REACH |
| 防爆 | Class I Div 2, ATEX Zone 2, KCs |

機械規格

| | |
|-----------------------|-----------------------------------|
| 壓力等級 (PN) - 單位: barg | 200 |
| Ingress protection | IP65 |
| Material wetted parts | 不銹鋼 316L 或同類材質 |
| 密封材質 | 標準: FKM/Viton®; 選購件: FFKM/Kalrez® |
| Process connections | compression type or face seal 接頭 |

電氣特性

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|-------|--|
| 電源供應 | +15...24 Vdc |
| 耗電量 | 1.5 W typical at 24 V for fieldbus: add 0.9 W |
| 類比輸出 | 0...5 (10) Vdc or 0 (4)...20 mA (sourcing) |
| 類比設定點 | 0...5 (10) Vdc or 0 (4)...20 mA (sinking) |
| 數位通訊 | standard: RS232 options: CANopen®, DeviceNet™, EtherCAT®, PROFIBUS DP, PROFINET, Modbus RTU, ASCII or TCP/IP, EtherNet/IP, POWERLINK or FLOW-BUS |

電氣介面

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|---|------------------------|
| 電源(儀表接口) | 8-pin DIN (male) |
| 通訊(儀表接口) | Analog, RS232, RS485 |
| PROFIBUS DP | 8-pin M12B (female) |
| CANopen / DeviceNet | 5-pin M12A (male) |
| Modbus RTU/ASCII/FLOW-BUS | 5-pin M12A (male) |
| Modbus TCP / EtherNet/IP / EtherCAT® / PROFINET / POWERLINK | 2x 4 pin M12D (female) |