

Low Differential Pressure Transmitter E2418DP



Features

- Ranges from 0...+250 Pa to -10...+10 kPa
- High accuracy, repeatability and zero stability
- Fully calibrated and temperature compensated
- Two analog outputs settable to 4-20 mA or 0-10 V
- RS485 Modbus RTU digital interface

Specifications

Measured media	Dry clean air without dust, oil, mist, or aggressive compounds	
Versions	E2418DP-1K	E2418DP-10K
resolution	1 Pa (0,01 mbar)	10 Pa (0,1 mbar)
max range	-1...+1 kPa (-10...+10 mbar)	-10...+10 kPa (-100...+100 mbar)
max overpressure	10 kPa (0,1 bar)	80 kPa (0,8 bar)
total accuracy	±20 Pa (0,2 mbar)	±200 Pa (2 mbar)
zero point stability	< 5 Pa / year	< 50 Pa / year
Temperature effect	compensated within -5...+65 °C range	
Power supply	11...30 VDC	
Power consumption	< 1 W	
Digital interface	RS485, Modbus RTU protocol	
Analog outputs	2 × 4-20 mA / 0-10 V, user switchable	
Analog output scales	freely adjustable within range	
Standard output scales	0 - 250 Pa, -250 - +250 Pa, 0 - 500 Pa, -500 - +500 Pa, 0 - 1,0 kPa, -1,0 - +1,0 kPa 0 - 2,5 kPa, -2,5 - +2,5 kPa, 0 - 5,0 kPa, -5,0 - +5,0 kPa, 0 - 10 kPa, -10 - +10 kPa	
Enclosure	Grey ABS plastic, wall mount, protection class IP65	
Dimensions	H122 × W80 × D55 mm	
Pressure ports	Ø4,0...7,0 mm, for 4 or 6 mm air hose	
Operating environment	business and industrial spaces	
Operating conditions	-20...+70 °C, <99 %RH	

