FT017P 氣體差壓流量傳訊器

Introduction

The FT017P Air Flow Differential Pressure Sensor uses a high-performance micro-differential pressure sensor as the pressure-sensing element, combined with an ultra-low power consumption digital circuit, making it highly accurate and long-term stable. The standard LCD backlight screen can display the differential pressure value on site in real time. With the customized pitot tube (miniBAR), it can accurately measure the gas flow and velocity rate in the normal pressure air duct. When using the DC 24V power supply, optional output of 4~20mA or RS485 Modbus (RTU) to transmit measurement data to the remote AI module. When purchasing the battery-powered model, it can also be used as a differential pressure and air volume (wind speed) standard part to perform on-site differential pressure and air volume (wind speed) calibration.

Feature

- Backlit 5-digit LCD display.
- Locally change setting of differential pressure or flow (velocity) display and output, RS485 Modbus (RTU) communication format.
- Built-in accurate instrument calibration coefficients.
- Built-in measurement damping buffer function.
- Optional battery power supply for use as a portable instrument.
- When powered by DC 24V, option of 4~20mA or RS485 Modbus (RTU) output can be selected.

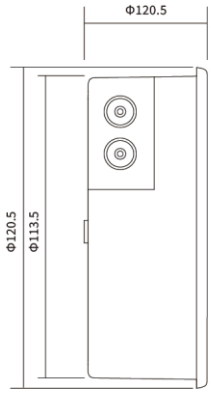
Application

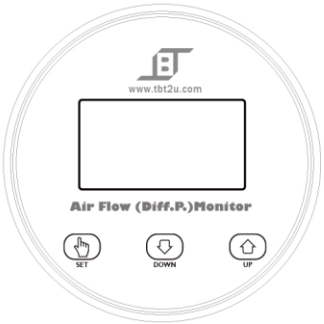
- Air volume and differential pressure detection in pharmaceutical factories
- Clean room
- Ward and operating room
- Air conditioning
- Blower air volume and differential pressure detection
- Filter
- Smoke exhaust cabinet
- Dust removal equipment

Specification

Product Performance	
Accuracy	±0.1% F.S.
Measuring Range	Differential Pressure：0~1000Pa Velocity：0~40 m/sec Flow：0~99999 CMM
Parameter Setting	button
Measuring Medium	Non-corrosive dry gas
Electrical Specification	
Display	5 digit LCD Backlight
Power Supply	Battery；DC 24V
Analogue Output	DC 4~20mA
Protocol	RS485 Modbus(RTU)
Over Pressure	＜1kPa @ 7 kPa；＞1kPa @ 5 times
Ingress Protection	IP54
Certification	—
Mechanical Specification	
Head Shell	Nylon (polyamide)
Connection Material	Nylon (polyamide)
Connection Size	3*5mm(inner diameter：3mm、outer diameter：5mm)
Environmental Condition	
Working Temperature	-10~60℃
Ambient Temperature	-40~80℃
Ambient Humidity	0~95%RH(No condensate)

Product Size (mm)





Standard Accessories Set

Optional Purchased

mini Bar

Order Form

FT017P-

Measuring Mode							
	Differential Pressure	A					
	Velocity	B					
	Flow	C					
	Custom	Y					
Output							
	DC 4~20mA		3	B			
	RS485 Modbus(RTU)		D	J			
	None		N	N			
Power Supply	※註一						
	DC 24V				7	D	
	Battery				7	M	
Accessories							
	Accessory pack						A
	minibar						B
	Custom						Y
	None						N

※Note 1: When the working power supply is Battery, please select None for signal output.