



FTS14 Thermo Air Velocity Transmitter



Feature

- Temperature compensation, linear adjustment function
- Switching analogue output by dip switch
- Off set function by button

Application

- Monitoring air and flow for industrial process
- HVAC, building, factory

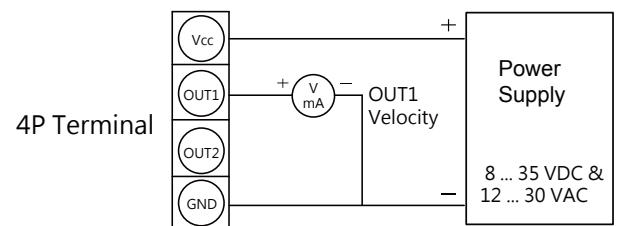
Specification

Input		Electrical	
Input Type of Air Velocity	Thermal Mass Flow Sensor	Power Supply	8 ... 35VDC & 12 ... 30VAC
Air Velocity Measuring Range	20 m/s	Current Consumption	DC 8V : 300mA · 24V : 100mA
Air Velocity min. Measuring Range	0.2 m/s		AC 12V : 350mA · 24V : 180mA
Output		Overvoltage Protection	DC : < 45V ; AC : < 40V
Output	4 ... 20 mA / 0 ... 10 VDC	Electrical Connection	Terminal
Signal Connection	3-wire	Installation ; Protection	
Load Resistance	Current Output : ≤ 500Ω ; Voltage Output : ≥ 10KΩ	Installation ; Way to Fix	duct ; flange
Response Time	Reach 90% of Ultimate Value within 3 sec.	Protection Degree	IP 54
Angular Dependence	< 3% Measuring Value (when the angle < 10°)	Electrical Protection	☉ polarity protection ☉ over-voltage ☉ short circuit
Accuracy (+ 25°C)		Certification	
Accuracy	± 5 % F.S. (nonlinear error, hysteresis error, repeatability error)	CE Certification	Emission EN 61326-1 : 2006 Class B
Thermal Sensitivity Temp. Error	0.2 % / -C		EN 55011 : 2009 / A1 : 2010 Group 1 Class B
Environment			Immunity EN 61326-1 : 2006
Measured Media & Temperature	Air ; 0 ... 50 °C		EN 61000-4-2:2009
Working Temperature	0 ... 50°C		EN61000-4-3:2006/A2:2010
Environment Humidity	95 %RH (non-cond.)		EN 61000-4-8:2010
Storage Temperature	-20 ... + 60 °C	Material	
		Housing / Probe	PC fire-proof (UL94V-2) / PC fire-proof
		Measuring Head / Cable	PC with glass fiber
		Weight	147g

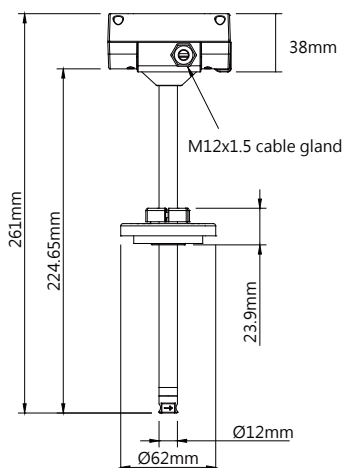
Ordering Guide

Type	FTS	14	-	20	1	1	-	N
Installation	duct	14	-					
Range	20 m/s			20				
Output	4 ... 20 mA 0 ... 10 V				1 6			
Power Supply	8 ... 35 VDC & 12 ... 30 VAC					1	-	
Option	Cable Gland							N

Analog Diagram



Dimension



DIP Switch

Position	1	2
Function	Enable / Disable	Output type
Status	ON	0-10V
	OFF	4-20mA