

NEW Epsilon PT3 Hand Held Flow Master

- All Parameters for Surveys, Profiles, and Traverse Studies of Duct Gas Flows
- Simultaneously Display, Graph, Log, and Download (up to 2900 Points)
- Velocity, Mass and Volumetric Flow, Gas and Ambient Temperatures, Static and Differential Pressure
- Mass Flow Readings can be Wet or Dry and Corrected to (User Selectable) Standards
- Integrated Pitot Probe, Temperature, Static Pressure and Log Trigger
- Multi-Parameter S Type Pitot Tube Required by EPA for 40CFR60 Method 2
- Probe Allows One-Handed Operation
- Powerful Tool for use by Performance and Environmental Engineers

Specifications

Measured Ambient Temperature:	
Measurement Range:	-5 to 160°F (-20 to 70°C)
Accuracy:	± 1°F (+/- 0.5°C)
Measured Process Gas Temperature:	
Element:	Type K Thermocouple
Measurement Range:	-40 to 2200°F (-40 to 1200°C)
Resolution:	0.2°F (0.1°C)
Accuracy:	0.3 % of FSD
Measured Differential Pressure:	
Range:	± 1 "H ₂ O, ± 5 "H ₂ O, ± 10 "H ₂ O (specify at time of order)
Repeatability:	0.2% FSD
Span Drift:	0.5% FSD at 32 to 120°F (0 to 50°C)
Zero Drift:	0.5% FSD at 32 to 120°F (0 to 50°C)
Units:	mBAR or Inches Water Gauge
Note: Normally zeroed before each measurement	
Measured Pressure Input:	
Input Range:	0 to 15 PSIA, suitable for Barometric pressure 0 to 5 PSIG specify range at time of order 0 to 10 PSIG specify range at time of order
Repeatability:	0.25 %
Span Drift:	0.5% FSD at 32 to 120°F (0 to 50°C)
Zero Drift:	0.5% FSD at 32 to 120°F (0 to 50°C)
Units:	mBAR, PSI
Velocity:	
Range:	10 to 60 ft/s (3 to 18 m/s) 13 to 130 ft/s (4 to 40 m/s) 16 to 200 ft/s (5 to 60 m/s) Dependent on which differential pressure transducer selected
Resolution:	0.33 ft/s (0.1 m/s)
Units:	feet/sec, m/sec
Mass Flow:	
Mass Flow is dependent on the velocity range, duct size, temperature and absolute pressure and the molecular weight of the gas	
Units:	kg/s, kg/h, lb/s, lb/h
Instrument Ambient Operating Temperature:	
Standard:	32 to 120°F (0 to 50°C)
Extended:	-5 to 160°F (-20 to 70°C)
Instrument Process Gas Operating Temperature:	
Continuous:	up to 1100°F (up to 600°C)
Intermittent:	up to 1475°F (up to 800°C)
Current Loop Input:	
Range:	0 to 100 mA, Resolution: 100 µA
Accuracy:	0.3% FSD
Current Loop Output:	
Range:	10 mA fixed, Resistance: 1200 Ohms, Voltage: 12V

Ordering Information

Order #	Mfg #	Description	Price
MPPT3-18-ET	PT3	Flow Master with a 18" Probe	
MPPT3-36-ET	PT3	Flow Master with a 36" Probe with Standard	



Each Unit Includes: Hose Assembly, Probe, PC Display Software and Carrying Case for PT3

Flowmeters for liquids are located on pages D45-D48