

VG 0950 Flue Gas Flow Meter

Description

The VG series of gas flow meters is based on revolutionary flow visualization technology. Flow visualization as a tool for studying 2D and 3D flow patterns has been known to flow researchers for years. However, it has never been developed for industrial flow metering

VG series is filling this gap now. This is not only a practical implementation of the novel flow metering approach but also a beginning of the advanced instrumentation technique with adds-on capabilities of turbidity measurement, particle counts and distributions, etc. All are required by the modern continues emission monitoring (CEM).



Features



- **Process temperature: up to 1200C, Highest in the industry**
- **Short upstream and downstream piping**
- **Adds-on capabilities: turbidity measurement, particle distribution, etc.**

VG 0950

Flue Gas Flow Meter



Specifications

Design	Two head, 4" flange connection
Material:	SS321, ceramics, sapphire sight windows
Flange Rating	#150,
Bore and Pipe Schedule	2", Sch 40
Velocity Range	0.1m/s to 50 m/s (0.3 ft/s to 150 ft/s)
Accuracy	1.5% to 2.5%
Repeatability	Better than 1%
Operating Conditions	
Pipe Diameter	30cm to 2000cm (1ft to 65ft)
Process Temperature	+80C to +1200C (175F to +2200F)
Maximum Process Pressure	NA
Ambient Temperature	-45C to +60C (-49F to +140F)
Electrical Characteristics	
Supply Voltage	24VDC (20-32VDC)
Power Consumption	5W (max)
Output	4-20mA, ModBus
Input	NA
LCD Display	Standard, can be excluded for low temperature operations
Hazardous Area Approval	NA