

FP2200 Ultrasonic Process Gas Flow Meter

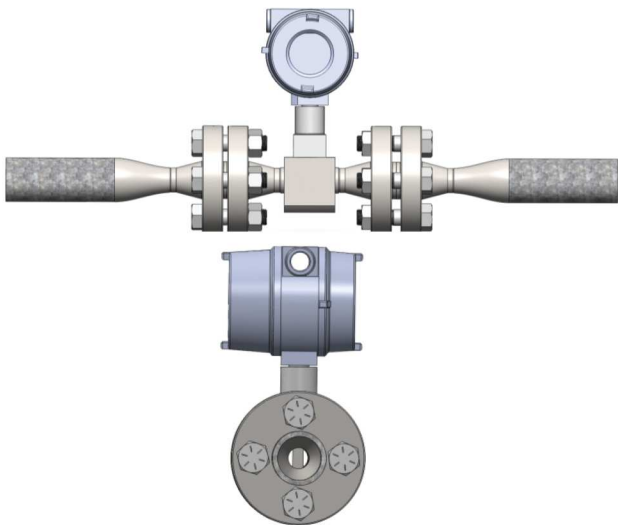
Description

The FP2200 series of ultrasonic gas flow meters extend the capabilities of Lauris' transit-phase measurement technology into various process applications.

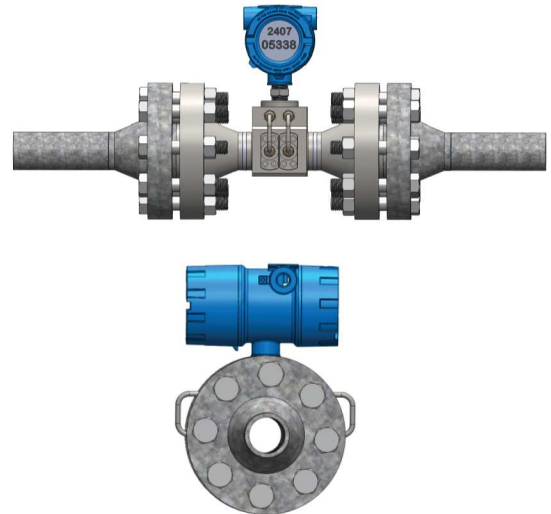
It's minimum measurable velocity starts at the beginning of the turbulent regime and the maximum velocity exceeds 175m/s. Simple in operation, flow meters of this series are essentially maintenance free as they are inherent resistance to intrained liquids and clogging of transducers with heavy hydrocarbons.



Flow Obstruction and Pressure Drop
Vortex Meters



Open Bore, Turn-Down 1000:1
FP2200



FP2200

Ultrasonic Process Gas Flow Meter



Specifications

Design	Wetted, non-intrusive, inline
Material:	SS316
Flange Rating	#150, #300, #600, #900, #1500, #2500
Bore and Pipe Schedule	Sc.40, Sc.80, Sc.160, Sc.XX
Velocity Range	0.1m/s to 175m/s (0.3ft/s to 585ft/s)
Accuracy	1.5% to 2.5%
Repeatability	Better than 1%

Operating Conditions

Pipe Diameter	2cm to 15cm (1" to 6")
Process Temperature	-50C to +135C (-58F to +275F)
Maximum Process Pressure	150barg (2175psig)
Ambient Temperature	-45C to +60C (-49F to +140F)

Electrical Characteristics

Supply Voltage	24VDC (20-32VDC)
Power Consumption	5W (max)
Output	4-20mA, ModBus
Input	Two 4-20mA for pressure and temperature sensors (optional)
LCD Display	
Hazardous Area Approval	CSA/ULClass 1, Div.1., Group ABCD T4