



FF1225-XT

Ultrasonic Gas Flow Meter

For extreme process temperatures

Description

The FF1225-XT ultrasonic gas flow meter represents the next evolution in Lauris' transit-time measurement technology, building on the proven precision and stability of the FF1225-A. Designed for extreme temperature applications, the XT delivers reliable, accurate performance where conventional meters cannot operate.

At the heart of the FF1225-XT is the advanced T60T transducer series, engineered to maintain signal integrity and measurement accuracy even under sustained thermal stress. Combined with reinforced construction and high-temperature materials, the meter ensures long-term stability, minimal drift, and consistent results in the most demanding environments.

By integrating the proven performance of the FF1225-A with cutting-edge enhancements for high-temperature service, the FF1225-XT extends the limits of ultrasonic gas flow measurement. It offers unmatched durability, precision, and reliability, making it the ultimate solution for challenging process conditions.



Features

- Maximum temperature up to 600 degC
- Non intrusive (no additional pressure drop)
- Ideal for dirty and wet environments
- 6000:1 turndown ratio
- Up to CL600 pressure rating





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Specifications

General

Design	Waveguide technology
Material:	Titanium
Process Connection	Flange ANSI #150, RF, 2" or 3"
Velocity Range	0.01m/s to 100m/s (0.03ft/s to 330ft/s)
Accuracy	1.0% to 2.5%
Repeatability	0.2%
Waveguide Length	18" (0.4m)

Operating Conditions

Pipe Diameter	4" to 80"
Process Temperature	-253°C to +600°C (-423°F to +1112°F)
Process Pressure	0.5bar to 100bar (7.3psi to 1450psi) Absolute

Electrical Characteristics

Supply Voltage	24VDC or 100-250 VAC
Power Consumption	2.5W (max)
Output	4-20mA, ModBus, HART
LCD Display	Standard, can be excluded for low temperature operations
Enclosure	Die-cast aluminum or SS
Hazardous Area Approval	CSA/ULClass 1, Div.1., Group BCD T4 ATEX (Zone 1), IECEx (Zone 1)

Sunshade

Available in GRP or SS

