

FICTIONAL DEMO DOCUMENT - SPECIMEN ONLY. NOT A REAL PRODUCT, APPROVAL OR CERTIFICATE.

FL-310

Coriolis Mass Flowmeter

Direct mass flow, density and temperature in one device.

KEY FEATURES

- Mass flow, density and temperature in one device
- ±0.1 % of reading with zero-point stability
- Entrained-gas detection and diagnostics

The FL-310 measures mass flow directly, independent of density, viscosity or temperature. Two vibrating tubes twist in proportion to the mass moving through them.

TECHNICAL SPECIFICATION

MEASUREMENT	
Principle	Coriolis mass flow
Measuring range	0 to 70000 kg/h
Accuracy	±0.1 % of reading
OUTPUT	
Signals	4–20 mA, HART, Modbus RTU, Profibus PA
PROCESS	
Connection	Flange
Process temperature	-50 to 200 °C
ENVIRONMENT	
Ingress protection	IP67
APPROVALS	
Approvals (demo)	Hazardous-area protection (Ex d), Functional safety SIL 2 capable, Custody-transfer accuracy class, Hygienic design
MEASUREMENT	
Nominal sizes	DN3 to DN100
Density accuracy	±0.5 kg/m³
Repeatability	±0.05 % of reading
PROCESS	
Max. pressure	100 bar
Wetted materials	316L, Hastelloy C22

Specifications are illustrative demo values created for the INSTRAVA template. Replace with your own product data.