

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

FL - 510

Clamp-on Ultrasonic Flowmeter

Install without cutting the pipe or stopping the process.

KEY FEATURES

- Clamp on without cutting the pipe
- Measures through metal and plastic walls
- Battery-backed data logger

The FL-510 attaches to the outside of the pipe, so flow can be measured on an existing line without shutdown or leak risk. Two ultrasonic transducers send pulses with and against the flow; the difference in transit time gives velocity.

TECHNICAL SPECIFICATION

MEASUREMENT	
Principle	Transit-time ultrasonic flow
Measuring range	0.1 to 12 m/s
Accuracy	±1 % of reading
OUTPUT	
Signals	4–20 mA, Modbus RTU, Pulse / frequency
PROCESS	
Connection	Clamp-on
Process temperature	-40 to 130 °C
ENVIRONMENT	
Ingress protection	IP67
APPROVALS	
Approvals (demo)	None
MEASUREMENT	
Pipe sizes	DN15 to DN4000
Pipe materials	Steel, stainless, PVC, concrete-lined
PROCESS	
Pipe wall thickness	1 to 100 mm
ELECTRICAL	
Power	12–24 V DC or battery

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