

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

LV-420

Vibrating Fork Level Switch

Maintenance-free point-level detection for liquids and solids.

KEY FEATURES

- Maintenance-free point-level detection
- Proof-test without removing the sensor
- Adjustable switching delay

The LV-420 is a vibrating fork level switch. A piezo drive keeps the tines at resonance; when product covers them, the frequency drops and the switch trips.

TECHNICAL SPECIFICATION

MEASUREMENT	
Principle	Vibrating fork level switch
Measuring range	0 to 0.1 m
Accuracy	Switching point ±1 mm
OUTPUT	
Signals	Relay / switch, 4–20 mA
PROCESS	
Connection	Threaded
Process temperature	-50 to 150 °C
ENVIRONMENT	
Ingress protection	IP66
APPROVALS	
Approvals (demo)	Hazardous-area protection (Ex d), Functional safety SIL 2 capable
MEASUREMENT	
Switching point	±1 mm
Density	>= 0.5 g/cm³
PROCESS	
Max. pressure	64 bar
Wetted materials	316L

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