

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

LV-220

Guided-Wave Radar Level Transmitter

Level and interface measurement through foam and vapour.

KEY FEATURES

- Level and interface in one probe
- Works through foam, vapour and turbulence
- Rod, cable and coaxial probes

The LV-220 sends low-power radar pulses down a probe. The reflection at the liquid surface sets the level, and a second echo reveals an oil-water interface.

TECHNICAL SPECIFICATION

MEASUREMENT	
Principle	Guided-wave radar level
Measuring range	0.2 to 20 m
Accuracy	±2 mm
OUTPUT	
Signals	4–20 mA, HART, Foundation Fieldbus
PROCESS	
Connection	Threaded
Process temperature	-196 to 450 °C
ENVIRONMENT	
Ingress protection	IP67
APPROVALS	
Approvals (demo)	Hazardous-area protection (Ex d), Functional safety SIL 2 capable
MEASUREMENT	
Probe lengths	0.3 to 20 m
Minimum dielectric	1.4
PROCESS	
Max. pressure	-1 to 400 bar
Probe materials	316L, Hastelloy C, PTFE-coated

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