Levaflow
— VALVES & INSTRUMENTS —

CAPACITANCE LEVEL TRANSMITTERS

General Features

- Measures level using changes in electrical capacitance
- Works by detecting capacitance variation between probe and vessel wall (or reference electrode)
- Capacitance changes as level varies due to dielectric differences
- Converts capacitance variation into accurate level signal output
- Suitable for both conductive and non-conductive liquids
- Applicable for slurries and granular solid materials
- Can be used for interface level measurement
- Reliable performance across a wide range of industrial applications

Material Data

COMPONENT	MATERIAL
Probe / Electrode	SS 316L, Hastelloy C, PTFE-coated SS, Titanium
Probe Insulation	PTFE / PFA / Polypropylene / Ceramic
Process Connection	NPT / BSP Screwed, ANSI / DIN Flanged
Housing / Head	Aluminium Die-cast / SS 304 / Polycarbonate
Cable / Conduit Entry	M20 x 1.5 / ½" NPT, SS 316 / Brass gland
Seals / O-rings	Viton / EPDM / PTFE / Buna-N

Design Features

- Suitable for conductive and non-conductive liquids
- Measurement range: 50 mm to 20,000 mm
- Operating temperature: -40°C to 200°C (standard)
- Operating pressure: up to 40 Bar (standard)
- 4–20 mA analogue output as standard
- SPDT relay output for high / low level alarms
- IP 66 / IP 67 weatherproof enclosure
- Built-in sensitivity adjustment and self-calibration
- EMI / RFI shielded electronics

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