

NON-CONTACT LEVEL CONTROLLER FOR SMALL TANK APPLICATIONS



LVCN414 Series Starts at
£235



- ✓ Reliable, Non-Contact Replacement for Continuous and Switching Applications
- ✓ Compact Sensor Optimized for Small Tank Applications
- ✓ Control/Switch Functions for Pumps and Alarms
- ✓ PVDF Transducer for Corrosive Liquid Media
- ✓ Simple Installation and Setup with USB Connection

The LVCN414 Series is a non-contact, ultrasonic level controller and transmitter that delivers reliable, cost-effective, high-performance, small-tank fluid handling control solutions. The LVCN414 targets process, control and chemical feed applications in small tanks mounted on skids, tools or machines. The LVCN414 allows flexibility in applications designed for system integration or retrofit of floats, conductance, and pressure sensors, and is easily configured through a USB connection and the Windows XP compatible software calibration kit. The LVCN414 gives precision and accuracy that allows for real-time/ anytime measurement, lowering operational costs and increasing productivity. Level indication for process or control automation applications can be monitored via local display or remote PLC. The LVCN414 is a total small tank level control and measurement solution.

SPECIFICATIONS

Range: 1.25 m (49.2")
Accuracy: 3 mm (0.125")
Resolution: 0.5 mm (0.019")
Beam Width: 5 cm (2")
Deadband: 5 cm (2")



Supply Voltage: 12 Vac /24 Vdc (loop)
Loop Resistance: 400 Ω max
Consumption: 35 mA maximum
Signal Output: 4 to 20 mA, 2-wire (when loop powered)
Contact Type: (4) SPST relays 1A
Loop Fail-Safety: 4 mA, 20 mA, 21 mA, 22 mA or hold last
Relay Fail-Safety:
Power Loss: Hold last
Power On: Open, close or hold last
Hysteresis:
Selectable Configuration: Via USB/ PC Windows® software interface
Temperature Compensation: Automatic over range
Temperature: -20 to 60°C (-4 to 140°F)
Pressure: Atmospheric

Enclosure: NEMA 6P
Enclosure Material: PC/ABS FR
Strain Relief Material: Santoprene
Transducer Material: PVDF
Cable Length: 1.2 m (4')
Cable Jacket Material: PVC
Process Mount: 1 NPT or 1" G (optional)
Mounting Gasket: FKM
Classification: General purpose
Approvals: CE

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)		
Model No.	Price	Description
LVCN414	£265	Level transmitter with relays, and USB Connector 1.2 m (4') range
LVCN414-B	235	Level transmitter with relays, 1.2 m (4') range (requires LVCN414-USB)
LVCN414-USB	30	USB connector

Comes with complete operator's manual.
Ordering Example: LVCN414, level transmitter with relays and USB connector, 1 NPT 1.2 m (4') range, configuration software for programming available free at omega.co.uk £265

Model No.	Price	Description
FW-205	£168	Reference Book: Consumer Guide to Non-Contact Level Gauges



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters