

# CAPACITIVE CONTINUOUS LEVEL TRANSMITTERS

**DISCONTINUED PRODUCT**

LV5900 Series

**\$675**

Basic Unit



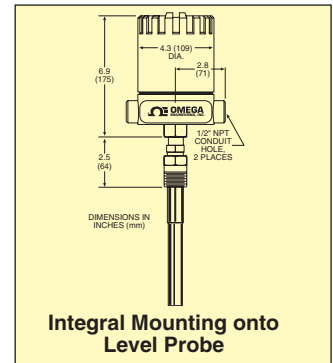
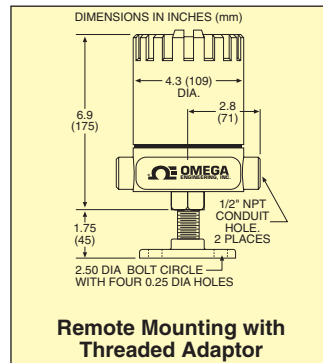
- ✓ Blind Transmitter for Integral or Remote Mounting
- ✓ Weatherproof and Explosion-Proof or Plastic Corrosion-Resistant Enclosures
- ✓ Isolated 4-20 mA Output, Field-Selectable Direct or Reverse Acting
- ✓ Enhanced Anti-Coating Sensitivity
- ✓ Compatible with a Variety of Sensing Elements (LV5000 through LV5603)

The LV5900 series radio frequency level transmitter is designed for continuous level measurement of conductive and non-conductive liquids, granular materials, slurries and interface applications. The electronics incorporate an "anti-coat" capability to compensate for the effect of conductive coatings which may build up on the sensing element surface. (Use the LV5200 Series elements, page K-31, for conductive coating liquids.) The 4-20 mA output is isolated and has an adjustable damping for turbulent level monitoring. The analog output is field-selectable for direct or reverse operation.

The blind transmitters can be remotely mounted up to 150 feet (46 m) from the sensing element. Three accessories required are a threaded adaptor, LV5971, which screws into the bottom of the enclosure to provide a surface mount; an explosion-proof junction box, LV5972, which mounts onto the level element in place of the transmitter; and a triaxial cable, LV5974-XX (specify length up to 150 feet), to connect the junction box to the transmitter.



LV5900 Blind Style with Aluminum Enclosure, \$675.



**DISCONTINUED PRODUCT**

Model No.	Price	Description
LV5900	\$675	Blind transmitter, aluminum enclosure
LV5900P	830	Blind transmitter, PVC enclosure

For AC powered option, add suffix "-115VAC" to model no. and add \$70 to price, or use suffix "-230VAC" and add \$95 to cost for 230 Vac.

**Accessories**

Model No.	Price	Description
LV5971	\$35	Threaded adaptor for remote surface mounting of LV5900P
LV5972	125	Junction box, explosion resistant, for connection of cable to sensing element for remote
LV5974-XXX	\$15 + 7/ft	Triaxial interconnect cable (for up to 200°C (392°F) specify length up to 46 m (150 feet)

Comes with complete operator's manual.

**Ordering Example:** LV5900 blind transmitter with aluminum enclosure (\$675), LV5971 threaded adaptor for remote surface mounting (\$35), LV5972 junction box (\$125) LV5974-30 30' of triaxial cable (\$225), \$675 + 35 + 125 + 225 = \$1060.

**SPECIFICATIONS**

- Power:** 18-35 Vdc (std.), 115 or 230 Vac (optional)
- Required Power Draw:** 1 watt @ 24 Vdc, 2.7 watts @ 115 Vac
- Analog Output:** 4-20 mA, isolated; field selectable for direct or reverse acting
- Span Range Adjustment:** 10 to 10,000 pF
- Zero Range Adjustment:** 0 to 500 pF
- Zero/Span Ratio:** 10:1 maximum
- Linearity:** ±0.5% FS
- Repeatability:** 0.5% of full scale
- Output Damping:** adjustable, 0.1 to 10 seconds
- Resistance, Max Load:** 550 ohms @ 24 Vdc (R=50 x (V-13)), 600 ohms for ac powered
- Anti-Coat Circuitry:** Phase shift type, compensates for conductive coatings
- Ambient Conditions:** Transmitter with aluminum enclosure: -40 to 71°C (-40 to 160°F), 0-95% relative humidity, non-condensing
- Temperature Stability:** Greater of 0.01 pF per °F or 0.01% of span per °F
- Enclosure:**
  - LV5900-cast aluminum with urethane finish, NEMA 4,7,9 weatherproof, hosedown, dust and vapor explosion-proof
  - LV5900-P, NEMA 4X for some corrosive areas
- Weight:** LV5900-1.63 kg (3.6 lb), LV5900-P -1.58 kg (3.5 lbs)

K



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