

Product Information - LD

"LD" Level Transmitter

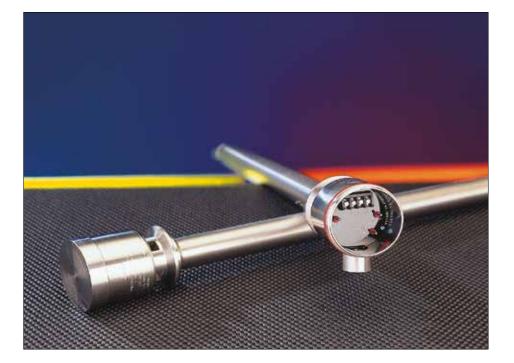
Introduction

Hundreds of customers have proven for themselves that Anderson-Negele's dualdiaphragm technology level transmitters are the clear choice for monitoring liquid inventory levels in virtually any atmospheric storage application. But, what about:

- Level applications where bottom access is not available?
- Rotating filler bowls that make bottom mounting impractical?
- Wide temperature swings that cause other sensors to shift uncontrollably?
- Other top-mount solutions that fail unexpectedly due to coating, lack of conductivity or mechanical failure?

For these tough applications, Anderson-Negele now offers the "LD" series of topmount level transmitters. The design is based on our proven "SL" platform which provides the industry's best accuracy, temperature stability, and reliability. The "LD" is simple to specify, install and calibrate. It easily replaces problematic devices such as ball floats, pneumatics, capacitance probes and magneto-strictive sensors. It pays for itself almost immediately by providing more accurate fill levels with less downtime for cleaning and maintenance.

So, if you have an application like one described above and want to see how the "LD" will provide the kind of reliable control you've always wanted, give us a call. We'll work up a proposal the same day and get you a unit within two weeks.



Authorizations



Features

- Top-mount configuration provides for easy installation without special fixturing or welding
- · Micro-processor based platform
- No moving parts for highest reliability and cleaning in-place
- Quick Disconnect Receptacles with optional Field Wiring Connectors
- Standard lengths from 15" to 36" adaptable to any existing vessel



FOOD

Specifications PERFORMANCE

Specifications | Order Information

5-pin M12 Ouick Disconnect

Upper Range Limit (URL): 72" water column (w.c.) Receptacle Minimum Span: 30" w.c. MATERIALS/CONSTRUCTION **Over-Range Capacity:** 2.5 times the URL (180" w.c.) Accuracy: ± 0.75% of URL (± 0.5" w.c.) Housing / Wiring Head: 304 stainless steel Repeatability: within ±0.3% of URL (± 0.2" w.c.) Wetted Parts: 316L stainless steel Stability: Within published specification for one Surface Finish: Ra=25 microinches or better (1) year minimum (wetted parts) Compensated Temp. Housing Rating: NEMA 4X, IP-65 Range: 30°F to 220°F (-1°C to 104°C) (process) AGENCY APPROVALS Compensated Temp. Range: 30°F to 120°F (-1°C to 49°C) (ambient) **Electromagnetic Compatibility** Effect of Process/Ambient (EMC): CE Compliant 3-A compliant, Third party verified Temperature Change: ± 0.40% of URL per 10°F Standards: 0-100% RH, Condensing Humidity: **Response Time:** 526 mSec Designed and manufactured to sound engineering practices in accordance **POWER SIGNAL** with Article 3.3 of the PED 97/23/EC 4-20mA dc Output: Loop Power Required: 12-40 Vdc Warranty: All units are covered by a two (2) Effect of Voltage Change: ± 0.05% of URL per 30 volts year warranty against defects in 1400 Ohms at 40 Vdc material and workmanship when Load Impedance: Cable Recommended: 2 conductor, stranded, 18-24 AWG, installed and maintained according to shielded with ground. the instruction manual provided 0.17 - 0.26" Cable Sheath OD for use with field wiring connector. Anderson molded cord set recommended for best EMI and water protection. **Order Information** Receptacle LD 21005 P/N: 56623A0002 12072 11 9 7 ର HOUSING Standard 2 **TEMPERATURE COMPENSATION** 1 30° - 220°F Dielectric Grease FITTING P/N: 5662400000 005 2" Tri-Clamp® **INSERTION LENGTH** 0.17-0.26" Cable Sheath Diameter 45" 46" 60" 15" 16" 473 30" 713 732 233 60 61" 62" 63" 64" 65" 31" 749 757 249 489 32" 33" 34" 35" 36" 47" 48" Field Wireable Connector 90° Field Wireable Connector 17" 750 758 265 505 18" P/N: 42119B0000 (without cable) P/N: 42119A0000 (without cable) 281 521 733 759 49" 19" 751 740 297 537 50" 20" 553 752 760 313 66" 67" 68" 21" 22" 51" 52" 329 569 753 761 37" 748 345 585 762 53" 54" 55" 56" 57" 58" 23" 24" 361 601 38" 754 744 69" 377 617 39" 742 763 70" 393 25" 633 40" 746 764 71" 26" 649 41" 743 765 409 Molded Cordset 72" 27" 665 42" 755 738 425 28" 681 4**3**" 756 441 Loop+(red) wire Pin 1 734 59" 457 29" 697 44" Loop-(black) wire Pin 2 Shield (clear or bare) wire - not SENSOR WIRING connected to nut Quick Disconnect Receptacle (QDR) & Field Wireable 01 Shield Cordset Connector (FWC) w/No Cable (std.) -Loop+(red) wire Pin 1 QDR & 90° FWC w/No Cable RO Loop-(black) wire Pin 2 QDR w/No Cable, no FWC 00 Shield (bare) wire - connected ODR w/25 ft Standard Molded Cordset 05 QDR w/50 ft Standard Molded Cordset 10 QDR w/100 ft Standard Molded Cordset 20 1/2" NPT No QDR, no FWC and no Cable (No sensor warranty for water damage) 99 05011/2.0/2015-03-20/PW/NA ANDERSON INSTRUMENT COMPANY Phone 800-833-0081 Tech. Support:

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