

RediLevel™ 2100 DLS

The Most Rugged, Reliable and Accurate Level Sensor on the Market—Just Got Smaller

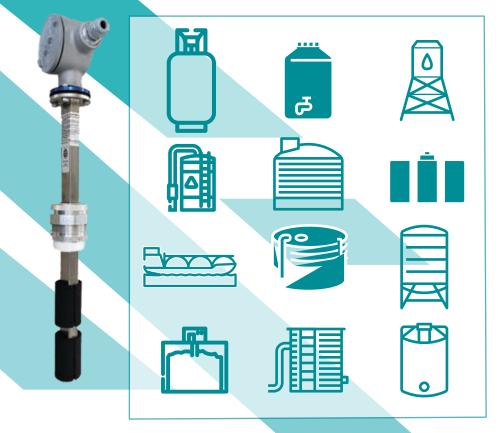
The RediLevel™ 2100 DLS is Electrolab's general purpose digital level sensor for smaller tanks and storage vessels. The RediLevel is ideal for many industries as it can measure multiple fluid levels and temperatures. RediLevel features the same rugged, reliable and accurate technology as Electrolab's Model 2100 Level Sensor Product Line,

KEY BENEFITS

- C1D1 certified for use in hazardous locations
- Certified intrinsically safe, explosion proof when used with an approved barrier

which was first introduced to the harsh environments of the oil and gas industry.

- Measures multiple levels and temperature zones through a single tank port
- Not affected by tank turbulence or changing environmental variables
- Easy installation—light-weight, slim profile fits through a two-inch tank port
- Easy startup—set the initial level offset and RediLevel is ready to monitor your tank
- Low maintenance, no calibration needed after installation.
- Accurate and reliable level measurement to 0.25" resolution with +/- 0.125" accuracy
- Open communication protocols for hardwire or wireless communications
- Factory treated with e9 Pro Performance Metal Treatment to significantly reduce buildup



INDUSTRIES

Agricultural and Fertilizer Chemical Petrochemicals Water and Wastewater Treatment

APPLICATIONS

Storage Tanks and Vessels, including: Chemical Tanks Fuel Tanks Dispensing Tanks Small. Portable tanks Water and Wastewater Treatment Tanks Pressurized Vessels up to 250 psi

FLUIDS

Premium Chemicals Fertilizers and Agricultural Chemicals Fuel Cleaners Detergents **Emulsions** Hvdraulic Fluids Industrial Effluent Wholesale Lubricants Petrochemicals Water and Wastewater Treatment Chemicals

Specifications

Tubing Material and Length	Pressure
 316L Stainless Steel (standard): 18 gauge (standard) Available in measurement lengths from 2 to 16 feet 0.75" x 1.5" tube dimensions 	40 psi: standard250 psi: optional
Level Measurement Increments	Protocol
 1/4-inch resolution with +/- 1/8-inch accuracy +/- 0.1% repeatability 	 Modbus RTU 16-bit unsigned integer Modbus RTU 32-bit floating point Serial Data via ASCII Modbus RTU 2 x 16-bit Analog
FLOAT	Wiring
 Rugged, one piece Harsh Environment (HE) all nylon float. Ideal for acidic and highly caustic environments One float to measure product level One additional float (optional) to measure water interface level Fits through a two-inch NPT female tank port 	 Two-wire communication: two twisted pair (16-18 AWG) recommended Four-wire communication: three twisted pair (16-18 AWG) recommended
Operating Temperature Range	CLASSIFICATION
• -40° C to 80° C	Class I, Div. 1, Group D hazardous locations (when used with an explosion-proof housing or connected to an approved intrinsically safe barrier board)
Temperature Measurement	Certification
12 inches from bottom+/- 1.5° C accuracy	ANSI/UL-913, 7th EditionCAN/CSA C22, No. 157
Power Requirements	Power Consumption
5.6 VDC TO 13 VDCStartup, transmission to power down <200 msec	15 mA nominal 20 mA maximum
Communication	

Communication

Open communication protocols allow Electrolab's level sensor to interface with many other manufacturers' equipment. We offer:

- RS485
 - Two- or four- wire communications
 - Baud rate and parity programmable (up to 57,600 baud)
- 4-20mA signal available when connected to a digital-to-analog converter board
- Wireless communication compatibility with preferred partners