

Designed for OEM engineers and product teams, this Engineering Toolkit provides guidance for choosing pressure and level sensing technologies in row-based CDU systems. Learn how to address sensor placement, fluid compatibility, packaging requirements, and performance optimization with Gems Setra solutions.

Pressure

Product Series	Description	Media	Application Use
  3100 Series Pressure Transducer	Stainless steel pressure transducer available with configurable pressure ranges, output types, electrical connections, and pressure port selections for flexible system integration.	✓ Refrigerants (HFC, HFO) ✓ PG25 ✓ PG55 ✓ Dielectrics ✓ PAO 4 ✓ DI Water	✓ Pump ✓ Heat Exchanger ✓ Filter ✓ Inlet/Outlet
  3510 Series Pressure Transducer			
  Model 230 Differential Pressure Transducer			

Level

Product Series	Description	Media	Application Use
  CAP-300 Series Capacitance Level Sensor	Compact capacitive level sensor with coating-tolerant technology, configurable outputs, and operating pressures up to 100 PSI	✓ PG25 ✓ PG55 ✓ DI Water	
  ELS Series Electro-Optic Level Sensors	Solid-state electro-optic level sensor with no moving parts, configurable outputs, and pressure ratings up to 2,500 PSI.		✓ Reservoirs ✓ Leak Trays ✓ Manifolds
  XLS-1 Series Ultrasonic Level Sensor	Non-contact ultrasonic level sensor with no moving parts, configurable outputs, and pressure ratings up to 250 PSI.	✓ Refrigerants (HFC, HFO) ✓ PG25 ✓ PG55 ✓ Dielectrics ✓ PAO 4 ✓ DI Water	
  LS-10 Series Leak Detection Sensor	Single-point leak detector with $\pm 1/8"$ accuracy and a 10W, 50-100 VDC NC SPST output.		✓ Leak Trays
  LS-700 Series Multi-Point Float Level Switch	Multi-point float level switch with brass or stainless-steel stem options and Buna-N, polypropylene, or stainless-steel floats.		✓ Reservoirs