

EVO 2600

Compact Radar Level Gauge

Terminal operators, automation engineers, compliance teams, and EPC specifiers require reliable measurement across diverse tanks and conditions. The EVO 2600 meets these needs with the industry’s first wizard-based radar featuring self-calibration, rapid commissioning, FMCW technology, safe ground-level setup, flexible antenna choices, and multi-protocol communication — all housed in a compact, engineered stainless-steel design. Its intuitive e.CAL setup wizard, plug-in protocol emulation, and advanced e.WAVE display diagnostics deliver faster startup, lower service costs, and higher confidence in inventory accuracy. Compared to competitive devices, the EVO 2600 provides stable, high-resolution FMCW readings in vapor, foam, or turbulent conditions, delivering consistent ± 3 mm accuracy across a wide range of tanks. Application-matched antennas, including conical horns, parabolic, and hatch-mounted designs, ensure reliable performance even in corrosive, viscous, or low-dielectric products. With global certifications and robust construction validated through L&J’s U.S. engineering and manufacturing, the EVO 2600 offers long-term reliability, simplified commissioning, and dependable operation in chemical, petrochemical, fuel, cryogenic, and general process applications worldwide.



Key Features

FMCW Stability

Continuous 26 GHz FMCW radar provides stable, high-resolution readings with fewer false echoes in vapor, foam, or turbulent conditions.

High Accuracy

± 3 mm accuracy minimizes reconciliation errors, improving shrinkage detection and ensuring dependable inventory and loss-control performance.

Wide Measurement Range

Measures up to 65 ft, supporting both process vessels and bulk storage tanks with consistent, repeatable level detection.

Extreme Temperature Tolerance

Electronics tolerate -40 °C to $+66$ °C and process connections handle -100 °C to $+160$ °C for cryogenic or heated fluids.

Flexible Protocol Support

Multiple outputs, including Tankway, Modbus, HART, and WirelessHART, simplify retrofit and integration without restrictive system lock-in.

Hazardous-Area Compliance

FM, ATEX, IECEx, and ABS approvals ensure safe, compliant installation across global hazardous and marine environments.

Typical Applications



CHEMICAL STORAGE

Ensures reliable readings in corrosive, viscous, or foamy liquids using antenna options designed for challenging product conditions.



FUEL & OIL TANKS

Maintains consistent level measurement in vapor-filled, floating-roof, or turbulent tanks where other technologies struggle.



CRYOGENIC SERVICE

Handles LNG and other low-temperature liquids safely using a -100 °C process rating for stable non-contact measurement.



HEATED PRODUCTS

Supports asphalt and high-temperature fluids with process ratings up to 160 °C, ensuring dependable performance.



GENERAL PROCESS TANKS

Provides non-contact measurement for powders, wastewater, pharmaceuticals, and food applications with low maintenance needs.



BULK SOLIDS & SLURRIES

FMCW radar penetrates vapors and light dust, delivering stable readings in applications with suspended particles or viscous mixtures.

Benefits



Operator Safety

IR calibrator and optional ground-level display eliminate climbing tanks or opening covers, reducing exposure to hazardous conditions.



Low Maintenance

Solid-state FMCW design with no moving parts minimizes wear, false trips, and service interventions across all tank types.



Fast Commissioning

e.CAL wizard streamlines configuration, enabling rapid setup and reducing startup time during field deployments.



Easy Retrofitting

Protocol emulation and multi-protocol outputs allow drop-in replacement of legacy gauges without major control-system changes.



Global Compliance

FM, ATEX, IECEx, and ABS approvals support safe deployment worldwide and simplify acceptance for regulated sites.



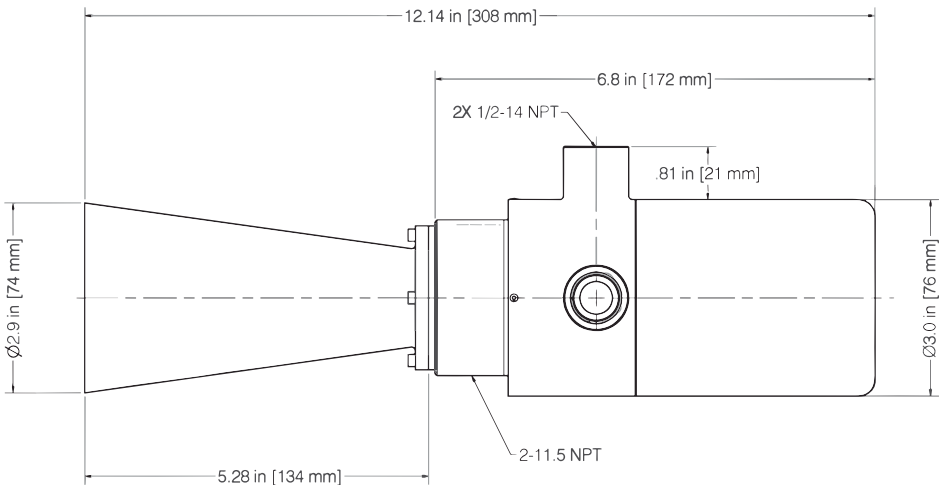
Enhanced Accuracy

High-resolution measurement detects shrinkage, leaks, or evaporation early, protecting product, revenue, and operational efficiency.

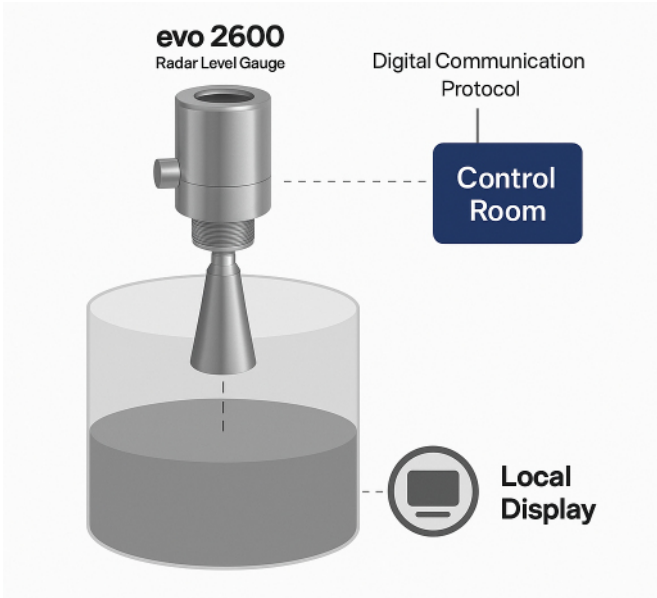
Technical Specifications & Key Features

High Accuracy:	±3 mm for precise level measurement and inventory control
Advanced FMCW Radar:	26 GHz for stable, high-resolution readings even in foamy or turbulent tanks
Range:	0–65 ft (standard)
Fast, Safe Setup:	e.CAL wizard with MCG 2150 IR calibrator enables ground-level commissioning
Intuitive Display:	e.WAVE graphical LCD with tank profiling and diagnostics
Flexible Integration:	Supports Tankway, Modbus, HART, WirelessHART, Profibus, Fieldbus
Wide Temperature Range:	Electronics –40 °C to +66 °C; process –100 °C to +160 °C Pressure Rating: up to 150 PSIG for pressurized tanks
Global Compliance:	FM, ATEX, IECEx, ABS approvals
Durable, Compact Design:	Aluminum housing (~2 lb) with 2" NPT or ANSI flange
Optional Accessories:	MCG 2150 Remote Calibrator, MCG 1350M Ground-Level Display

Dimensions



Typical System Layout



Model Number Selection

The model number will consist of a base number 2600 followed by 10 digits. These digits will represent 10 sets of option tables:

A • APPROVAL	
1	FM / FMC
2	CSA
3	ATEX/ IECEx

C • ANTENNA OPTIONS	
0	No Antenna
2	3" Conical Horn Antenna 316SS
3	4" Conical Horn Antenna 316SS
4	6" Conical Horn Antenna 316SS
5	8" Conical Horn Antenna 316SS
6	Parabolic Antenna
7	Float and Tape Gauge Replacement*
8	6" Hinged Hatch Mount Antenna

* evo 2600SW Required

D • PROCESS CONNECTION	
0	No Flange, 2" NPT Connection
1	2" 150# RF ANSI 316SS
2	3" 150# RF ANSI 316SS
3	4" 150# RF ANSI 316SS
4	6" 150# RF ANSI 316SS
5	8" 150# RF ANSI 316SS
6	2" 300# RF ANSI 316SS
7	3" 300# RF ANSI 316SS
8	4" 300# RF ANSI 316SS
9	6" 300# RF ANSI 316SS
A	8" 300# RF ANSI 316SS
B	1.5" NPT Connection*
C	3" NPT Connection*
D	4" NPT Connection*

* evo 2600SW Required

* Must select Table F, Option 1, and Table G, Option 1

Summary

With over 100 years of expertise in tank gauging and safety, L&J Technologies delivers solutions operators worldwide rely on. The EVO 2600 continues this legacy, combining precision 26 GHz FMCW radar technology, intuitive e.CAL setup, and robust global certifications for safe, compliant operation in diverse tank conditions. Choosing L&J Technologies means more than purchasing a gauge — it's partnering with a trusted global leader committed to accuracy, reliability, and operational safety across the world's largest installed base of storage tanks, protecting product, people, and profits at every level of measurement.

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B • HOUSING MATERIAL	
1	Aluminum

E • DIGITAL COMMUNICATION PROTOCOL	
0	None
1	L&J Tankway
2	GPE 31422, 31423
3	Varec 4-Wire (1800, 1900)
4	Modbus on L&J Tankway
5	Modbus on RS 485 (2-Wire)
6	ENRAF
7	Fieldbus
A	Ti-Way
B	HART*
C	Saab TRL/2
D	Profibus DP
E	RGL / NMC
F	WirelessHART

F • Analog Output	
0	None
1	Single 4-20mA Output*

* Must select Table E, Option 0 or B, and Table G, Option 1.

G • Power*	
1	24 VDC Loop Powered
2	24-48 VDC

*For other Input Voltages External adapter required.
Consult Factory for more information.

H • Temperature Inputs	
0	No Temperature
2	Single Spot Temperature*

* Spot Temperature Ready. RTD Probe must be ordered separately.

I • Ground Level Display*	
1	Ground Level Display Compatibility

* Requires MCG 1350M Ground level Display.