

**SCIENCE
GATE**
Your Automation Partner



SCIGATE AUTOMATION (S) PTE LTD
No.1 Bukit Batok Street 22 #01-01 Singapore 659592
Tel: (65) 6561 0488 Fax: (65) 6562 0588
Email: sales@scigate.com.sg Web: www.scigate.com.sg
Business Hours: Monday - Friday 8.30am - 6.15pm



FLOWLINE™
LEVEL BEST



Fluid Handling - Liquid Level Measurement and Control

Why Flowline?

- RELIABILITY** Our advanced level sensing technologies including pulse radar, guided wave and ultrasonic provide accurate and reliable measurement.
- EASE OF USE** Our intuitive designs, powerful WebCal configuration software and application-solution based website, make our level products easy to use.
- AVAILABILITY** Our level products are locally stocked, fulfilled and supported by our global network of fluid handling and process distributors.
- QUALITY** Our ISO 9001 company and team of level experts, stand behind our products and services, and your satisfaction is our highest concern.

- HVAC
- Textile
- Mining
- Oil field
- Marine
- Printing
- Hospital
- Chemical
- Lubricant
- Aerospace
- Agriculture
- Water park
- Automotive
- Pulp & paper
- Biotechnology
- Environmental
- Metal finishing
- Transportation
- Semiconductor
- Paint & coating
- Pharmaceutical
- Microelectronic
- Pool & fountain
- Zoo & aquarium
- Water treatment
- Food & beverage
- Power generation
- Commercial laundry
- Building automation
- Wastewater treatment
- Equipment manufacturer



Flowline - Your Level Partner

Flowline enables industrial manufacturers, chemical distributors and municipalities to safely and efficiently manage their contained liquid assets. Our quality solutions measure tank inventories, automate tank processes, ensure workplace safety and protect the environment. We design, manufacture and market the best level measurement and control instruments for your chemical, water, wastewater and oil applications. Flowline products are sold and supported worldwide through our stocking distribution partners. Our customers include design engineers, system integrators, original equipment manufacturers, facility operations, engineering and maintenance decision makers. The leading criteria for product selection are reliability, ease of use, availability and quality. We do your level best through our commitment to innovation and satisfaction - Level Best.

Chemical Distribution



Industrial Manufacturing



Industrial Water & Wastewater



Municipal Water & Wastewater



LIQUID GOLD

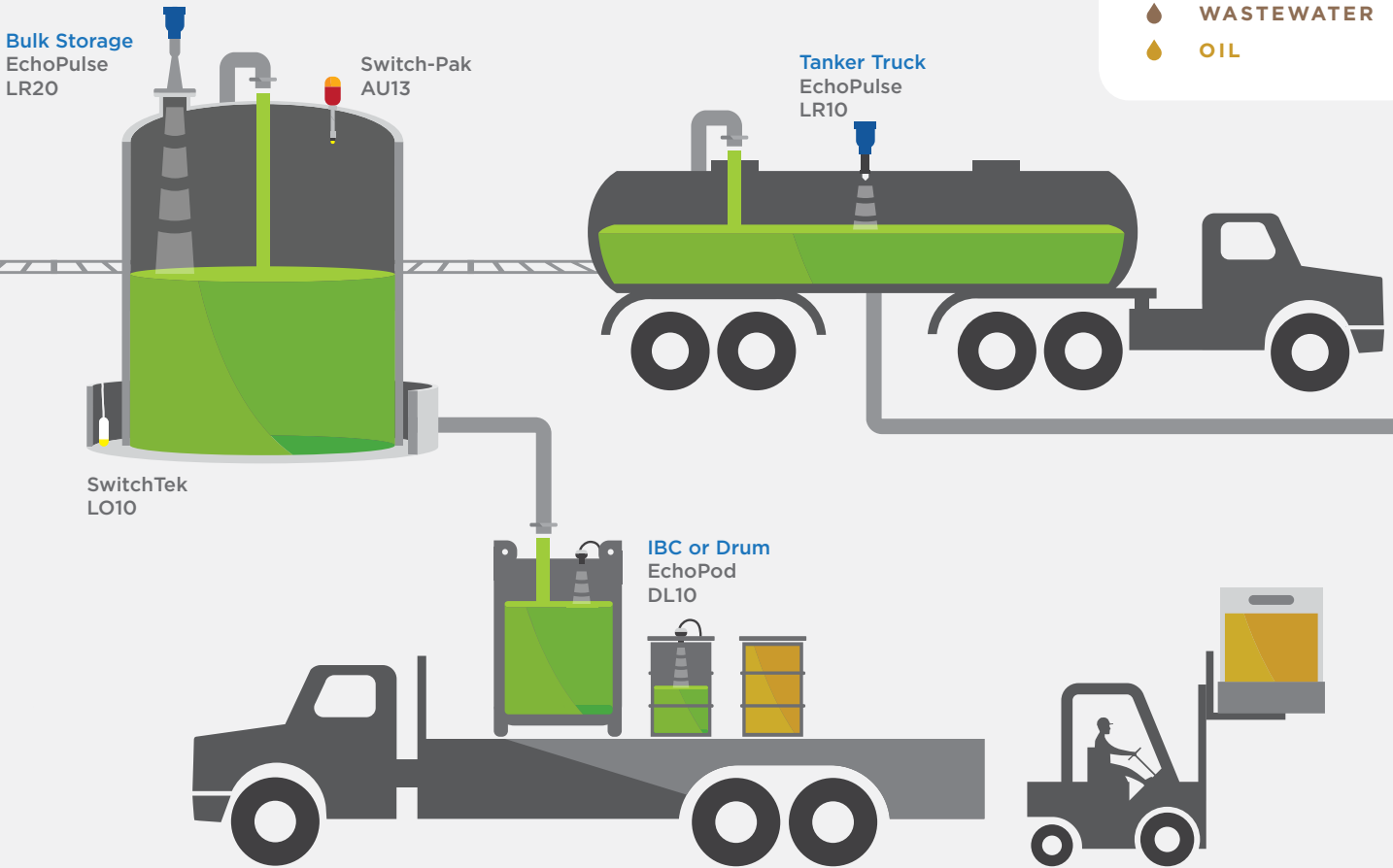
Can you name an industry that has no reliance or association with chemicals in the manufacture, delivery or consumption of their products and services? Chemical prices have steadily ascended due to rising oil, energy and transportation costs, and increased demand from emerging countries. Simultaneously, population growth and sprawl have created unprecedented needs for water and wastewater treatment services, as municipal providers do their best with limited budgets and aging infrastructure. Chemical distributors, industrial manufacturers and municipalities have entered an era where rising liquid costs and margin compression are inevitable without equivalent gains in productivity. Now more than ever, level measurement and control plays a key role in the cost-effective processing, delivery, inventory, use and treatment of Liquid Gold.

PROVEN SUCCESS

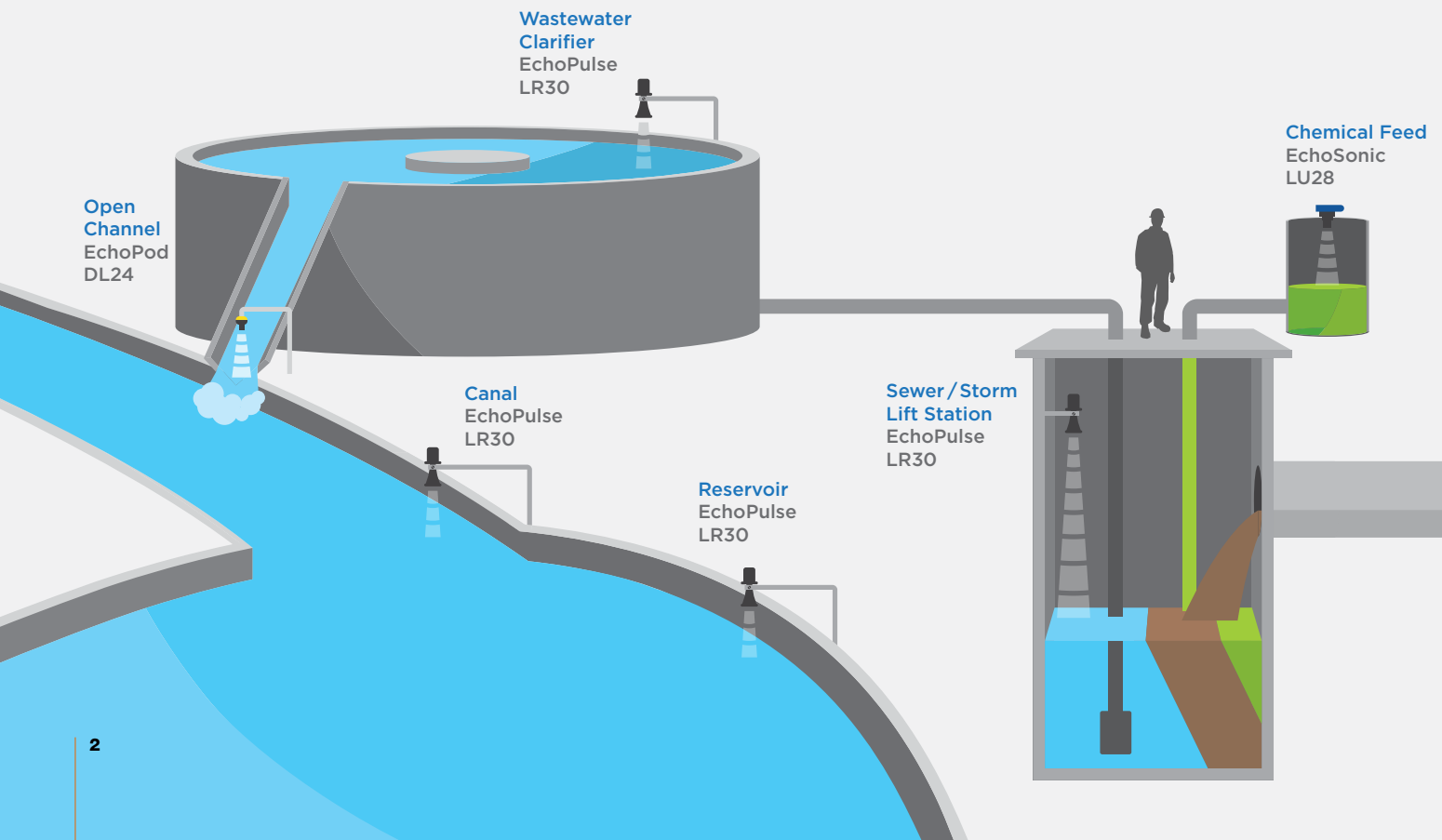
Flowline has twenty five years of proven success in level measurement and control applications. We understand level customer requirements, offer a breadth of robust measurement technologies, and readily share application expertise. To learn more about our customer successes, go to www.flowline.com/applicationsuccess.php and view our application success stories. Level Best with Flowline.

CHEMICAL DISTRIBUTION

- CHEMICAL
- WATER
- WASTEWATER
- OIL



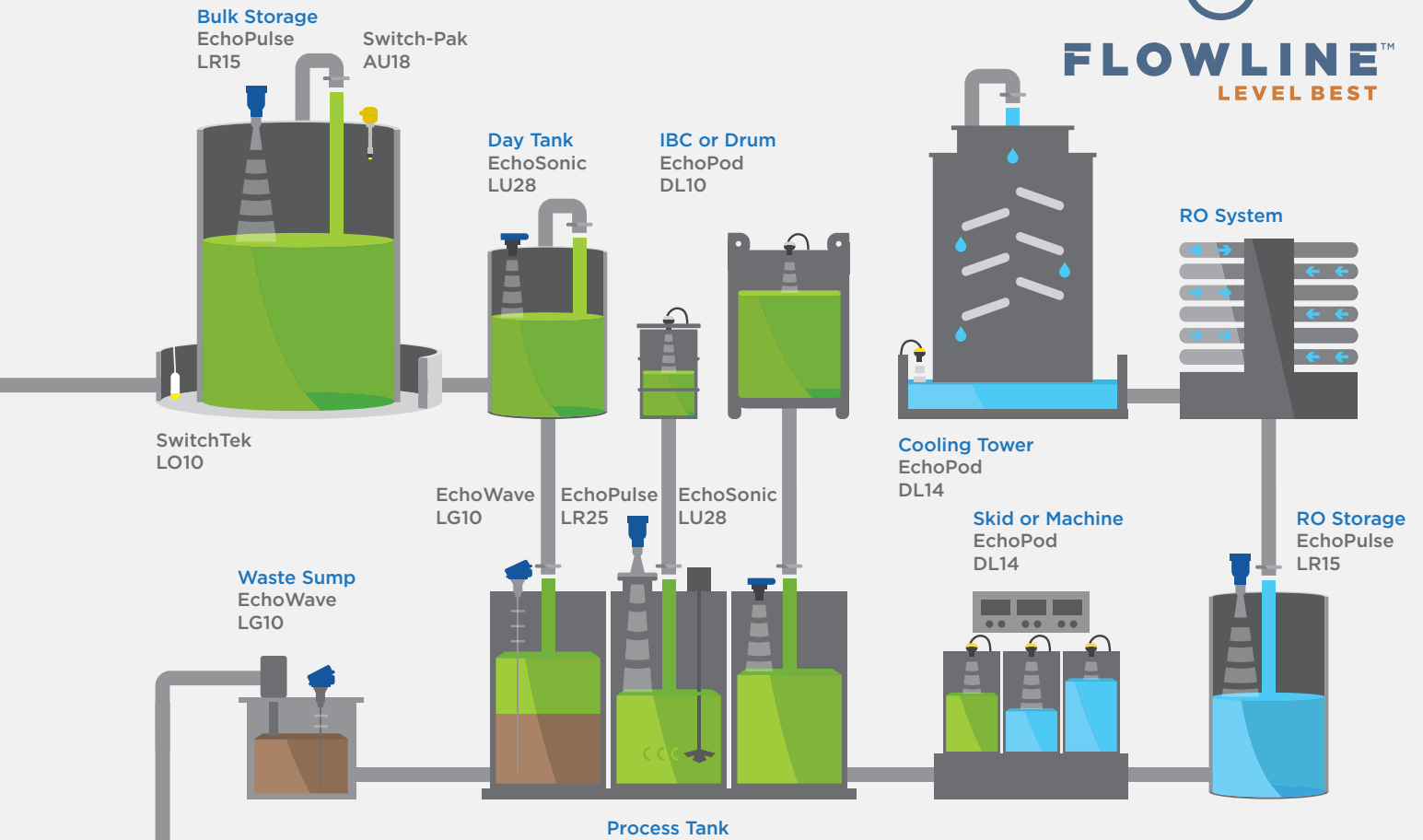
MUNICIPAL WASTEWATER



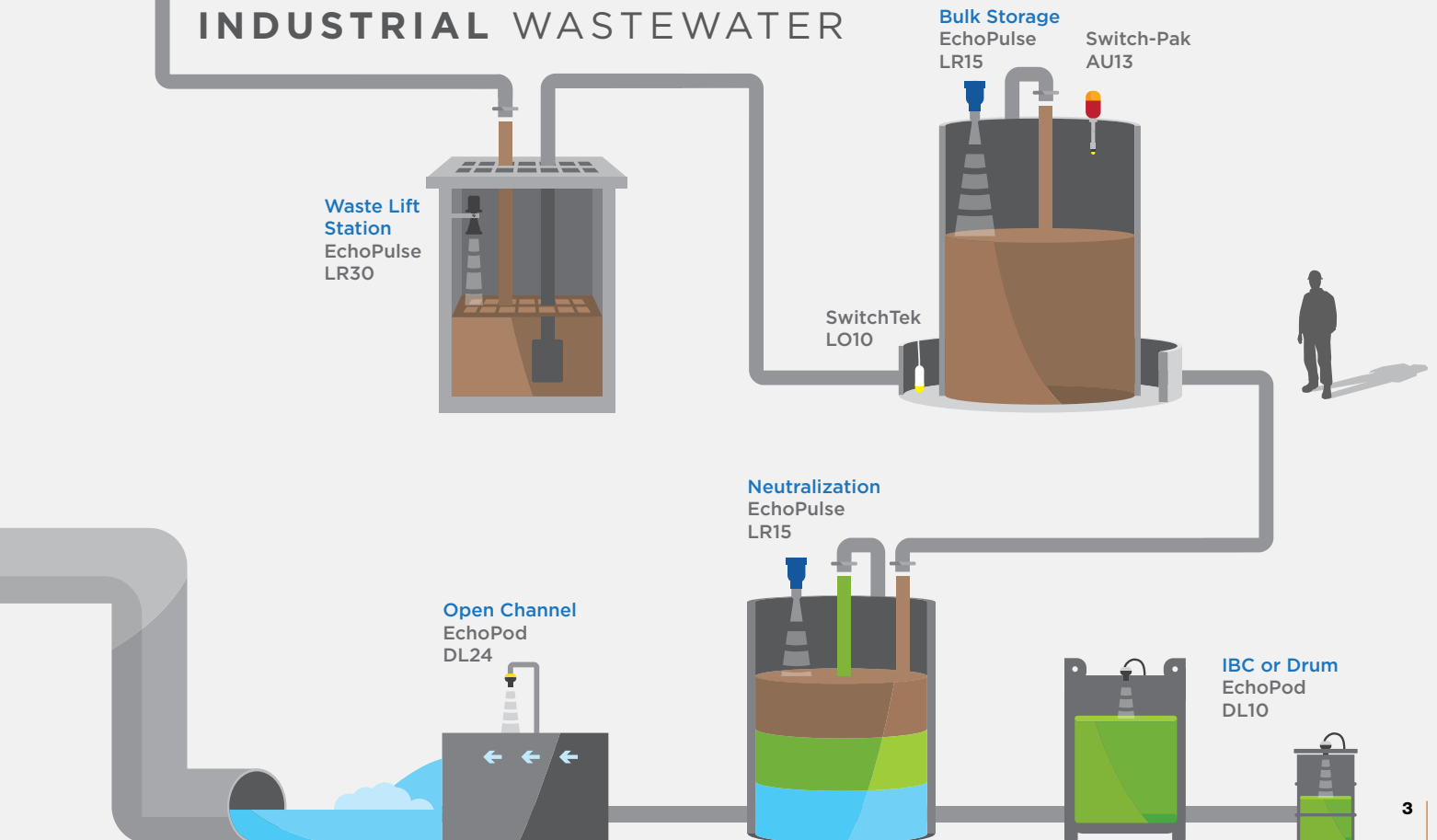
INDUSTRIAL MANUFACTURING



FLOWLINE™
LEVEL BEST



INDUSTRIAL WASTEWATER



Pulse Radar Level Transmitters

Best for Difficult Bulk Tank Applications

These pulse radar sensors are the non-contact level measurement solution for your most demanding storage, process or lift station applications.

WHY PULSE?

Pulse radar is unaffected by process conditions that cause other sensing technologies to fail or require ongoing maintenance. These include foam, vapor, condensation, corrosion, temperature, pressure, vacuum, and coating or scaling liquids.

TECHNOLOGY

The radar sensor emits a 26 GHz or 6.3 GHz RF pulse from the base of the antenna. The pulse travels through the free space, reflects against the liquid dielectric material and returns to the antenna. The sensor measures the pulse time of flight and translates this into liquid level distance.



The LR30 pulse radar sensor is the reliable level measurement solution for municipal and industrial pump lift stations.

	LR10	LR15	LR20	LR25	LR30
Classification	General purpose				
Application	Storage	Storage	Storage	Process	Lift station
Proc. condition	Easy	Difficult	Difficult	Extreme	Difficult
Tank location and material	Above grade metal or below grade in any tank material	Above or below grade in any tank material	Above or below grade in any tank material	Above grade metal or below grade in any tank material	Below grade in any tank material
Corrosive	Yes	Diluted	Yes	Yes	Diluted
Range	32.8' (10m)	98.4' (30m)	65.6' (20m)	114.8' (35m)	98.4' (30m)
Installation	Tank adapter or flange		Flange	Flange	Bracket
Mount	1 1/2" NPT	1 1/2" NPT	3", 4" ANSI	4", 6" ANSI	Bolt
Max. temp.	266° F (130° C.)	302° F. (150° C.)	302° F. (150° C.)	266° F. (130° C.)	212° F. (100° C.)
Max. pressure	43.5 PSI (3 bar)	150 PSI (10 bar)	72 PSI (5 bar)	580 PSI (40 bar)	Atmospheric
Ant. material	PTFE	316L	316L & PTFE	316L & PTFE	Nylon

ECHOPULSE® LR10

LR10-0010

1 1/2" PTFE horn



The general purpose 26 GHz. pulse radar level transmitter provides continuous level measurement up to 32.8' (10m) with a 4-20 mA signal output, and is configured via its integral push button display module. The non-contact liquid level sensor is intended for chemical or water storage applications in above grade metal or reinforced concrete tanks or below grade tanks of any material. Select this sensor for easy application conditions with corrosive media, light agitation, condensation or vapor, and installation in a low-profile tank adapter or flange fitting.



ECHOPULSE® LR15

LR15-0010-20

2" (48mm) 316L horn

LR15-0010-30

3" (78mm) 316L horn

LR15-0010-40

4" (98mm) 316L horn

The general purpose 26 GHz. pulse radar transmitter provides continuous level measurement up to 98.4' (30m) with a 4-20 mA signal output, and is configured via its integral push button display module. The non-contact liquid level sensor is intended for petroleum, water, wastewater and diluted chemical storage or process applications in above or below grade tanks of any material. Select this sensor for challenging application conditions with low or non-corrosive media, light surface foam or agitation, higher temperature or pressure, condensation or vapor, and installation in a tank adapter, flange fitting or metal stand-pipe.



ECHOPULSE® LR20

LR20-0310-30

3" ANSI with PTFE shield

LR20-0310-40

4" ANSI with PTFE shield

The general purpose 26 GHz. pulse radar transmitter provides continuous level measurement up to 65.6' (20m) with a 4-20 mA signal output, and is configured via its integral push button display module. The non-contact liquid level sensor is intended for chemical storage or process applications in above or below grade tanks of any material. Select this sensor for challenging application conditions with corrosive media, light surface foam or agitation, higher temperature or pressure, condensation or vapor, and installation in a flange fitting.



ECHOPULSE® LR25

LR25-0310-40

4" ANSI with PTFE shield

LR25-0310-60

6" ANSI with PTFE shield

The general purpose 6.3 GHz. pulse radar transmitter provides continuous level measurement up to 114.8' (35m) with a 4-20 mA signal output, and is configured via its integral push button display module. The non-contact liquid level sensor is intended for chemical and petroleum storage or process applications in above grade metal or reinforced concrete tanks or below grade tanks of any material. Select this sensor for harsh application conditions with corrosive or low dielectric media, heavy surface foam or agitation, higher pressure, steam, condensation or vapor, and installation in a flange fitting. Due to the wider beam angle, special attention should be given to ensure that the sensor is located with unobstructed measurement space.



ECHOPULSE® LR30

LR30-0010-10

Nylon sensor with 316L bracket and display

The general purpose 26 GHz. pulse radar transmitter provides continuous level measurement up to 98.4' (30m) with a 4-20 mA signal output, and is configured via its remote push button display module. The non-contact liquid level sensor is intended for industrial wastewater, municipal storm or sewer lift station, reservoir, river, canal or flume applications located below or above grade. Select this sensor for challenging application conditions that may include light surface foam or agitation, small trash or plant material, wind, condensation or vapor. Each comes with a 32.8' (10m) cable, mounting bracket and display module. The sensor is intended for bracket mount or conduit mount installation suspended above the liquid level.



Guided Wave Radar Level Transmitters

Best for Difficult Small Tank Applications

These guided wave sensors are your contact level measurement solution for small to medium size tank applications with challenging process conditions.

WHY GUIDED WAVE?

Guided wave radar is unaffected by most process conditions that cause other sensing technologies to fail or require ongoing maintenance. These include foam, vapor, condensation, temperature, pressure, vacuum, and light coating or scaling liquids.

TECHNOLOGY

The guided wave sensor emits a RF pulse from the base of the probe feed through. The pulse travels down the probe, reflects against the liquid dielectric material and returns to the feed through. The sensor measures the pulse time of flight and translates this into liquid level height.



The LG10 guided wave sensor is the ideal level measurement solution for oil storage and reclamation applications.

	LG10-0	LG10-1	LG10-2
Classification	General purpose		
Probe type	Rod	Coaxial	Cable
Probe material	316L	316L	316
Tank location and material	Above grade metal or below grade in any tank material	Above or below grade in any tank material	Above grade metal or below grade in any tank material
Dirty, coating or crystallizing liquid	Yes	No	Yes
Range	9.8' (3m)	9.8' (3m)	18' (5.5m)
Mount	3/4" NPT		
Max. temperature	302° F. (150° C.)		
Max. pressure	250 PSI (17 bar)		

ECHOWAVE® LG10

- LG10-0003-00**
3m, rod, w/o Fob
- LG10-0003-01**
3m, rod, w/Fob
- LG10-1003-00**
3m, coaxial, w/o Fob
- LG10-1003-01**
3m, coaxial, w/Fob
- LG11-2003-00**
5.5mm, cable, w/o Fob
- LG11-2003-01**
5.5mm, cable, w/Fob

Offered with three probe types, the general purpose guided wave transmitter provides continuous level measurement up to 18' (5.5m) with a 4-20 mA signal output, and is configured via our free WebCal software. This liquid level sensor is applied in non-turbulent environments with foam, vapor, condensation, temperature or pressure. Select the rod or cable probe for use with clean, dirty, coating or crystallizing liquids in above grade metal or below grade tanks of any material. Select the coaxial probe for use with clean, non-coating or crystallizing liquids in above or below grade tanks of any material. Standard probe lengths may be user cut in the field. The sensor is intended for bulk storage, day tank, skid or machine, IBC or drum, process tank or waste sump applications.



Rod **Coaxial** **Cable**





WebCal® Configuration Software

Best for Fast and Easy Level Setup

WebCal software is a PC utility program that enables users to easily configure and test compatible Flowline level sensors to their measurement and control requirements. Download your free copy at www.flowline.com/webcal.php and connect your sensor through our Fob USB® adapter. Sensors are sold with and without Fobs. WebCal makes level configuration simple.



Configure your sensor, update the firmware or demo your configuration prior to installation

View your sensor part number, serial number, description and firmware

Select from preprogrammed drop down menus to create your level configuration

Click to write your level configuration to the sensors non-volatile memory

View, print or email a PDF wiring diagram of your level configuration for use by the installer

Available in both English and Chinese

Supports up to 175 sensor configurations

Customize set points to your level measurement or control requirements

Add notes to your saved configuration file for future reference

Change the proportional signal output from distance to linearized volume using the standard tank shapes or custom strapping table

Open an existing file, save a new configuration file, or print a copy of your configuration to document your file revision

The Aquarium of the Pacific in Long Beach, California relies on Flowline level measurement and control solutions.





Ultrasonic Level Transmitters

Best for Ambient Small to Bulk Tank Applications

These ultrasonic sensors are your non-contact level measurement solution for general purpose or hazardous applications with ambient process conditions.

WHY ULTRASONIC?

Ultrasonic is unaffected by liquid characteristics that cause contact sensing technologies to fail or require ongoing maintenance. These include corrosive, dirty, coating or scaling liquids. If you have an ambient application and require non-contact level measurement, then you want ultrasonic.

TECHNOLOGY

The ultrasonic sensor emits a 50 KHz or 100 KHz sonic pulse from the base of the transducer. The pulse travels through the air gap, reflects against the liquid surface and returns to the transducer. The sensor measures the pulse time of flight and translates this into liquid level height.



The DL14 ultrasonic sensor is the corrosive level measurement and alarm solution for small tank chemical feed applications.

	DL10	DL14-24	LU23-29	LU80-84	LU20	XP88-89
Classification	General purpose			Intrinsically safe		Explosion proof
Application	Chemical feed, skid or machine, cooling tower, IBC or drum		Bulk storage, day tank, lift station, open channel, neutralization	Bulk storage, day tank	Bulk storage, day tank	Bulk storage, day tank
Range	49.2" (1.25m)	9.8' (3m)	32.8' (10m)	32.8' (10m)	18' (5.4m)	32.8' (10m)
Output	4-20 mA	4-20 mA + (4) SPST relays	4-20 mA	4-20 mA	4-20 mA	4-20 mA
Configuration	WebCal	WebCal	WebCal	Push button	Push button	Push button
Display	No	No	No	Yes	Yes	Yes
Enclosure	Type 6P	Type 6P	Type 6P	NEMA 4X (IP65)	NEMA 4X (IP65)	Type 4
Termination	Cable	Cable	Cable	Conduit	Conduit	Conduit
Mount	1" NPT (G)	1" NPT (G)	1", 2" NPT (G)	1", 2" NPT (G)	2" NPT (G)	2" NPT
Temperature	20° F. (-7° C.) to 140° F. (60° C.)					
Max. pressure	30 PSI (2 bar)					
Trans. material	PVDF					

ECHOPOD® DL10

DL10-00

1.25m, NPT, w/o Fob

DL10-01

1.25m, NPT, w/Fob

The general purpose ultrasonic transmitter provides continuous level measurement up to 49.2" (1.25m) with a 4-20 mA signal output, and is configured via our free WebCal software. This non-contact liquid level sensor is ideally suited for corrosive, sticky or waste liquids, and is selected for chemical feed, skid or machine, cooling tower, IBC or drum applications.





FLOWLINE

ECHO

US Patent 7,008,469
10500 Humboldt Street, CA

2" X 1"
USA

2" X 1"



ECHOPOD® DL14-24

DL14-00

1.25m, NPT, w/o Fob

DL14-01

1.25m, NPT, w/Fob

DL24-00

3m, NPT, w/o Fob

DL24-01

3m, NPT, w/Fob

The general purpose ultrasonic transmitter provides continuous level measurement up to 9.8' (3m) with a 4-20 mA signal output and four relays, and is configured via our free WebCal software. Each relay is fully configurable for automatic fill, empty or alarm functions, and the embedded level controller may lower cost by replacing external control hardware. This non-contact liquid level sensor is well suited for corrosive, sticky or waste liquids, and is selected for chemical feed, skid or machine, cooling tower, IBC or drum applications.



ECHOSONIC® LU23-29

LU27-01

3m, NPT, w/Fob

LU23-01

5.5m, NPT, w/Fob

LU28-01

8m, NPT, w/Fob

LU29-01

10m, NPT, w/Fob

The general purpose ultrasonic transmitter provides continuous level measurement up to 32.8' (10m) with a 4-20 mA signal output, and is configured via our free WebCal software. This non-contact liquid level sensor is ideally suited for corrosive, sticky or waste liquids, and is selected for bulk storage, day tank, lift station, open channel and neutralization applications.



ECHOSPAN® LU80-84

LU80-5101

3m, NPT

LU81-5101

5.5m, NPT

LU83-5101

8m, NPT

LU84-5101

10m, NPT

The general purpose ultrasonic transmitter provides continuous level measurement up to 32.8' (10m) with a 4-20 mA signal output, and is configured via its integral push button display module. This non-contact liquid level sensor is well suited for corrosive, ultrapure, sticky or waste liquids, and is selected for bulk storage and day tank applications.



ECHOTOUCH® LU20

LU20-5001-IS

5.4m, NPT

Intrinsically safe for use in hazardous locations, the intrinsically safe ultrasonic transmitter provides continuous level measurement up to 18' (5.4m), and is configured via its integral push button display module. This non-contact liquid level sensor is ideally suited for corrosive, sticky or waste liquids, and is selected for bulk storage and day tank applications located within a classified area.



ECHOSAFE® XP88-89

XP88-0

8m, NPT

XP89-0

10m, NPT

The explosion proof ultrasonic transmitter provides continuous level measurement up to 32.8' (10m) with a 4-20 mA signal output, and is configured via its integral push button display module. This non-contact liquid level sensor is well suited for corrosive, sticky or waste liquids, and is typically selected for bulk storage and day tank applications located within a classified area.



Single and Multi-Point Level Switches

Best for Corrosive Level and Leak Detection Applications

These single and multi-point level switches are the spill prevention, pump protection, leak detection or alarm solution for your level requirements.

	AXXX	AX23	AX1X	AX13	LU10	LZ12	LV10	LO10
Classification	Intrins. safe or gen. purpose	General purpose	Intrins. safe or gen. purpose	General purpose	Intrins. safe	General purpose	General purpose	General purpose
Type	Multi-point package		Single-point package		Ultrasonic sensor	Vibration sensor	Buoyancy sensor	Optic sensor
Application	Day tank, skid or machine, cooling tower, waste sump, process tank		Bulk storage, IBC or drum, neutralization tank		Chemical	Wastewater	Water	Secondary containment
Function	Level switches	Auto fill or empty	Level switch	Level shut off	Level switch	Level switch	Level switch	Leak detection
Max. length	10' (3m)	10' (3m)	10' (3m)	10' (3m)	- - -	- - -	- - -	- - -
Supply	12-36 VDC	120/240 VAC	12-36 VDC	120/240 VAC	12-36 VDC		- - -	12-36 VDC
Contact	(1-4) SPST relay or SPDT reed	(1) SPDT latching relay	(1-4) SPST relay or SPDT reed		(1) SPST relay	(1) SPST relay	(1) SPDT reed	(1) SPST relay
Rating	60 VA or 15 VA	250 VAC @ 10A	60 VA or 15 VA	250 VAC @ 10A	32 VDC (0.5A max)	60 VA (1A max)	15 VA (0.25A max)	60 VA (1A max)
Enclosure	NEMA 4X (IP65)	NEMA 4X (IP65)	NEMA 4X (IP65)	NEMA 4X (IP65)	NEMA 6 (IP68)	NEMA 6 (IP68)	NEMA 6 (IP68)	NEMA 6 (IP68)
Termination	Conduit	Conduit	Conduit	Conduit	Cable	Cable	Cable	Cable
Mount	2" NPT (G)	2" NPT (G)	2" NPT (1 1/2" G)		3/4" NPT (G)	3/4" NPT (G)	3/4" NPT (Rp)	3/4" NPT (G)
Temperature	-40° F. (-40° C.) to 176° F. (80° C.)							
Max. pressure	Atmospheric		150 PSI (10 bar)	150 PSI (10 bar)	150 PSI (10 bar)	150 PSI (10 bar)	25 PSI (2 bar)	150 PSI (10 bar)
Material	PP	PP	PP / PVDF	PP / PVDF	PP / PFA	PP-Ryton	PP / PVDF	PP / PFA

SMART TRAK™ AXXX

AV26

2 buoyancy, GP, NPT

AU25

2 ultrasonic, IS, NPT

AZ28

2 vibration, GP, NPT

The intrinsically safe or general purpose level switch package provides liquid level detection up to 10' (3m) with 1-4 adjustable level switch points and a compact junction box for wiring termination. Offered in three sensor technologies, choose the type based upon your application media. This PP level switch package is selected for day tank, skid or machine, cooling tower, waste sump or process tank applications, connected to a PLC or remote relay controller.

SMART TRAK™ AX23

AV23

Buoyancy, NPT

AU23

Ultrasonic, NPT

AZ23

Vibration, NPT

The general purpose level switch package provides automatic tank filling or emptying up to 10' (3m) between two adjustable level switch points. The compact relay controller with optional strobe provides one latching 16A relay for pump or valve control. Offered in three sensor technologies, choose the type based upon your application media. This PP level switch package is selected for day tank, skid or machine, cooling tower, waste sump and process tank applications, requiring detection and control.



SWITCH-PAK™ AX1X

AV16

Buoyancy, GP, PP, NPT

AU18

Ultrasonic, IS, PP, NPT

AZ18

Vibration, GP, PP, NPT

The intrinsically safe or general purpose level switch package provides high or low liquid level detection with one relay or reed switch output, and a compact junction box for wiring termination. Available in three level sensor technologies, choose the sensor type based upon your application media. This PP or PVDF level switch package is selected for bulk storage, IBC or drum, and neutralization tank applications, connected to a PLC or remote relay controller.

SWITCH-PAK™ AX13

AV13

Buoyancy, w/o strobe, PP, NPT

AU13

Ultrasonic, w/o strobe, PP, NPT

AZ13

Vibration, w/o strobe, PP, NPT

The general purpose level switch package provides high or low liquid level detection with one 16A compact relay controller for pump or valve shut off. The optional flash alarm brings attention to alarm conditions. Available in three level sensor technologies, choose the sensor type based upon your application media. This PP or PVDF level switch package is selected for bulk storage, IBC or drum, and neutralization tank applications, requiring detection and control.

ULTRASONIC LU10

LU10-1305

PP, short, NPT

LU10-2305

PFA, short, NPT

LU10-1405

PP, long, NPT

CSA approved for use in hazardous locations, the intrinsically safe ultrasonic level switch provides high or low liquid level detection of chemical, solvent or low viscosity petroleum based liquids with a 1A relay output. Media examples include hydrochloric acid, acetone and diesel fuel oil. The submersible PP or PFA level switch sensor is universally mounted through the tank wall or inside the tank, and connected to a PLC or remote relay controller.

VIBRATION LZ12

LZ12-1405

PP-Ryton®, NPT

The general purpose vibration level switch provides high or low liquid level detection of dirty liquids or those with light to medium coating or scaling characteristics with a 1A relay output. Media examples include wastewater, diluted caustic soda and copper sulfate. For optimum performance, the sensor automatically adjusts for coating build up, and if necessary, outputs a proactive maintenance alarm to request cleaning. The submersible PP-Ryton® level switch sensor is universally mounted through the tank wall or inside the tank, and connected to a PLC or remote relay controller.

BUOYANCY LV10

LV10-1301

PP, NPT

LV10-5301

PVDF, NPT

The general purpose buoyancy level switch provides high or low liquid level detection of relatively clean water and chemical solutions with a 15VA reed switch output. Media examples include potable water and boric acid. The baffle body eliminates level switch chatter caused by turbulence. The submersible PP or PVDF level switch sensor is mounted vertically inside the tank, and connected to a PLC or remote relay controller.

OPTIC LO10

LO10-1305

PP, short, NPT

LO10-2305

PFA, short, NPT

The general purpose optic leak switch provides leak detection in and around secondary containment sumps, tanks and piping systems with a 1A relay output. Media examples include sulfuric acid and sodium hypochlorite. The submersible PP or PFA leak switch sensor is mounted through the containment wall or within the interstitial space, and connected to a PLC or remote relay controller.





Level Controllers and Indicators

Best for Flowline Level Transmitters

Complete your level measurement solution with a panel or field mount relay controller or indicator.

	LI55	LI25	300500	LI40
Classification	General purpose	Intrinsically safe or general purpose	Explosion proof	General purpose
Type	Controller	Indicator	Indicator	Indicator
Application	Display + control	Display only	Display only	Display only
Mount	Panel mount	Panel mount	Wall mount	Panel mount
Display	6-digit LED	5-digit LCD	5-digit LCD	6-digit LCD
Supply	85-265 VAC (available in VDC)	9-30 VDC loop	10-30 VDC loop	EchoPod sensor
Contact	(0, 2, 4) SPDT relay	- - -	- - -	- - -
Enclosure	NEMA 4X faceplate	NEMA 4X faceplate	NEMA 4X, 7 & 9	NEMA 4X faceplate

DATAVIEW™ LI55

LI55-1001

Controller, w/o repeater

LI55-1201

Control., 2 relays, w/o repeat

LI55-1401

Control., 4 relays, w/o repeat

The general purpose AC powered level controller displays engineering units with one 4-20 mA level transmitter input and is offered in three configurations with optional 2 or 4 programmable relays, and an isolated 4-20 mA repeater. Each relay can be configured on a single set point (high level alarm or low level alarm) or latched on two set points for automatic fill or empty in simplex (one pump or valve) or duplex (two pumps) level control modes.



DATALOOP™ LI25

LI25-1001

Indicator, GP

LI25-2001

Indicator, IS

The intrinsically safe or general purpose loop powered level indicator displays engineering units connected in series with one 4-20 mA level transmitter. Select the LI25-2001 level indicator for hazardous applications with an intrinsically safe sensor.



DATAKEEP™ 300500

300500

Indicator

The explosion proof loop powered level indicator displays engineering units connected in series with one 4-20 mA, continuous level transmitter. Select this level indicator for hazardous applications with an explosion proof level sensor. The windowed field enclosure is easily wall mounted and includes two conduit connectors.



PODVIEW™ LI40

LI40-1001

Indicator

Compatible with any EchoPod sensor, the general purpose level indicator displays the measured value, applicable relay status and set point configuration of the attached sensor, as the sensor was configured to operate by WebCal. PodView requires no programming, and receives both power and data from the connected sensor. Through the indicator, users can adjust EchoPod relay set points in the field. PodView is installed up to 15' (4.5m) away from the sensor in a panel or NEMA enclosure.



Fittings and Enclosures

REDUCER BUSHING | THREAD X THREAD

LM51-1400	1" x 3/4" NPT, PVC, schedule 40
LM51-1800	1" x 3/4" NPT, PVC, schedule 80
LM51-2400	2" x 3/4" NPT, PVC, schedule 40
LM51-2800	2" x 3/4" NPT, PVC, schedule 80
LM51-1S00	1" x 3/4" NPT, 316 stainless
LM51-2S00	2" x 3/4" NPT, 316 stainless
LM52-1400	2" x 1" NPT, PVC, schedule 40
LM52-2400	3" x 2" NPT, PVC, schedule 40
LM52-1800	2" x 1" NPT, PVC, schedule 80
LM53-2400	2" x 1.5" NPT, PVC, schedule 40
LM53-2800	2" x 1.5" NPT, PVC, schedule 80
LM53-3800	3" x 1.5" NPT, PVC, schedule 80
LM52-2800	3" x 2" NPT, PVC, schedule 80
LM52-3800	4" x 2" NPT, PVC, schedule 80
LM53-2S10	2" x 1.5" NPT, 316 stainless



REDUCER BUSHING | SOCKET X THREAD

LM52-1410	2" x 1" NPT, PVC, schedule 40
LM52-2410	3" x 2" NPT, PVC, schedule 40
LM52-3410	4" x 2" NPT, PVC, schedule 40
LM52-1810	2" x 1" NPT, PVC, schedule 80
LM52-2810	3" x 2" NPT, PVC, schedule 80
LM52-3810	4" x 2" NPT, PVC, schedule 80



FLANGE | ANSI X THREAD

LM52-1850	1" x 1" NPT, CPVC, schedule 80
LM52-2850	2" x 2" NPT, CPVC, schedule 80
LM52-3850	3" x 3" NPT, CPVC, schedule 80
LM53-3850	3" x 1.5" NPT, CPVC, schedule 80
LM53-4850	4" x 1.5" NPT, CPVC, schedule 80
LM53-3S50	3" x 1.5" NPT, 316 stainless
LM53-4S50	4" x 1.5" NPT, 316 stainless
LM53-6S50	6" x 1.5" NPT, 316 stainless



TANK ADAPTER

LM52-1890	1" NPT bulkhead, PVC
LM52-2890	2" NPT bulkhead, PVC
LM52-3890	3" NPT bulkhead, PVC

SIDE MOUNT BRACKET

LM50-1001-1	1" NPT bracket, PP
LM50-1001	2" NPT bracket, PP

NEMA ENCLOSURE

LM91-1001	Single indicator w/o window, 1/8 DIN, PC
LM91-2001	Two indicator w/o window, 1/8 DIN, PC
LM92-1001	Single indicator w/window, 1/8 DIN, PC
LM93-1001	Two indicator w/window, 1/8 DIN, PC





TK06

FLOWAGE
EQUIPMENT



10500 Humbolt Street
Los Alamitos, CA 90720 USA

phone 562.598.3015
fax 562.431.8507
email level.solution@flowline.com
flowline.com

Volume 11NP
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