

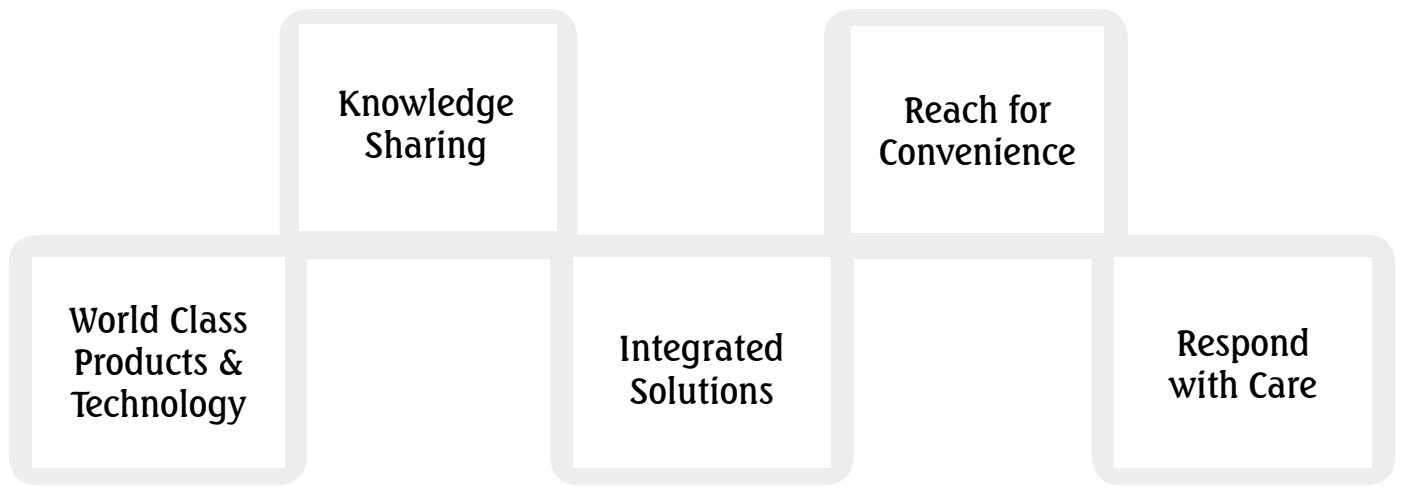


**Aventura Components Pvt. Ltd.** is a leader in water treatment, dosing and pressure boosting components in India. Known for its comprehensive industry knowledge and innovative approach, Aventura works closely with OEMs, system integrators & end users across the country to provide solutions backed by the best of technology from around the world to suit their need and budget. Aventura is the only ISO 9001 : 2000 certified company in water component distribution reflecting its commitment to quality & customer service.

**FLOWLINE**

**AVENTURA**  
Components of success

# VALUE OF 5



## SAFETY ALWAYS COME FIRST

NON CONTACT ULTRASONIC LEVEL SENSORS



**AVENTURA**  
Components of success

RESPOND ► SERVE ► CARE

## TANK INVENTORY, AUTOMATION & SAFETY

**AVENTURA COMPONENTS PRIVATE LIMITED**

AN EARTH WATER ENTERPRISE

**Corporate office:**  
A-1/152 Neb Sarai,  
IGNOU Road,  
New Delhi 110 068,  
INDIA

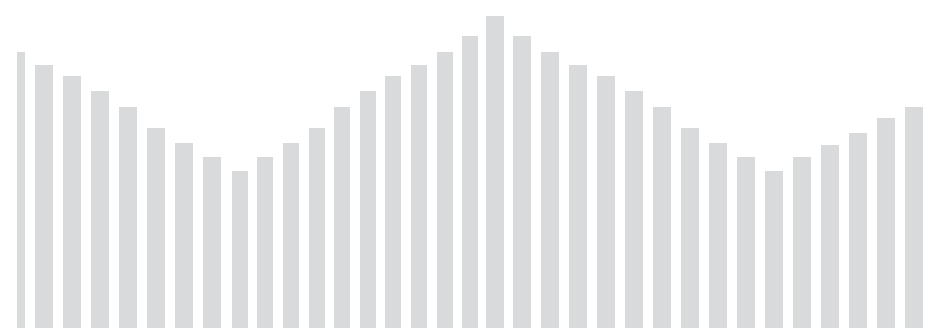
**Contact Nos.:**  
T. +91 11 4310 0500  
F. +91 11 4310 0599  
M. + 91 98103 67527  
+ 91 98186 96067

EMAIL : [info@aventura.co.in](mailto:info@aventura.co.in)

**Branch offices:**  
Ahmedabad      Chennai  
Hyderabad      Bangalore  
Mumbai          Kolkata  
Jaipur

WEBSITE: [www.aventura.co.in](http://www.aventura.co.in)

**Warehouses:**  
Delhi  
Ahmedabad  
Chennai  
Mumbai



RESPOND ► SERVE ► CARE

# EchoPod



An innovative level sensor that replaces floats, conductance and pressure sensors that fail due to dirty, sticking and scaling media in small tanks 49.2" (1.25m) or less.

## FEATURES

- DSP technology
- Level Switch & Level Controller
- Level Measurement
- Dirty, Sticky, Corrosive Media
- WebCal Software

## ADVANTAGES

- Provides switch, controller and transmitter capabilities
- Replaces multi-point float, conductivity and pressure level switches
- WebCal, PC user inter-face that provides fast & accurate readings
- Compact sensor with 2" dead band and beam width optimized for small tank applications 49.2" (1.25 m) or less.

## BENEFIT

- Made for small tank Application
- Non-contact Benefits in a small package
- Low cost of ownership
- Fast and easy configuration

SPECIFICATIONS	
Range:	49.2" (1.25 m)
Accuracy:	0.125" (3 mm)
Resolution:	0.019" (0.5 mm)
Beam width:	2" (5 cm)
Dead band:	2" (5 cm)
Supply voltage:	24 VDC (loop)
Loop resistance:	400 max
Consumption:	35 mA maximum
Signal output:	4-20mA, two-wire (when loop powered)
Contact type:	(4) SPST relays 1A
Loop fail-safety:	4mA, 20mA, 21mA, 22 mA or hold last
Relay fail-safety:	Power loss: Hold last Power on: Open, close or hold last
Hysteresis:	Selectable
Configuration:	WebCal* PCWindows* Software interface
Temp. comp.:	Automatic over range
Temperature:	F: 20° to 140° C:-7° to 60°
Pressure:	Atmospheric
Enclosure:	NEMA 4X encapsulated, corrosion resistant & submersible
Encl. material:	PC/ABS FR
Strain relief mat.:	Santoprene
Trans. material:	PVDF
Cable length:	48" (1.2 m)
Cable jacket mat.:	Polyurethane
Process mount:	1" NPT (1"G)
Mount. gasket:	Viton*
Classification:	General purpose
Approvals:	CE

# EchoSpan

SPECIFICATIONS	
Range:	4" to 32.8' (10cm to 10m)
Accuracy:	± 0.2% of span in air
Display type:	LCD, 6-digit
Beam width:	3" (7.6cm) diameter
Dead band:	LU81: 4" (10cm)
LU83: 8" (20cm)	
LU84: 12" (30cm)	
Supply voltage:	12-28 VDC
Signal output:	4-20 mA, two-wire
Calibration:	Push button
Process temp:	F: -4° to 140°
C: -20° to 60°	
Pressure:	30 psi (2 bar)
Conduit:	Dual, 1/2" NPT
Enclosure rating:	NEMA 4X (IP65)
Process mount:	2" NPT (2" G)
Trans. material:	PVDF
Classification:	General purpose

Two-wire ultrasonic transmitter providing non-contact level measurement up to 32' or 10m, and ideally suited for challenging ultrapure, corrosive or waste liquids.

## FEATURES

- Setup is fast and simple with push button calibration and LCD display
- Offered in three measurement ranges up to 10m with 2" transducer.
- 6-segment LCD display indicates level in inch or centimeter values.
- 7.6 cm minimum beam width for applications with restricted space.
- PC/ABS enclosure rated NEMA 4X with rugged PVDF transducer
- Fail-safe intelligence with diagnostic feedback for easy troubleshooting
- WebCal Software



SPECIFICATIONS	
Range:	XP88 8' to 24.6' (20 cm to 7.5 m) XP89 8" to 32.8 (20 cm to 10 m)
Accuracy:	± 0.2% of max. range
Resolution:	0.079" (2 mm)
Beam width:	3" (7.6 cm) dia.
Dead band:	XP88: 8" (20 cm) XP99: 8" (20 cm)
Display type:	LCD, 6-digits
Display units:	Inch, cm or percent
Memory:	Non-volatile
Supply Voltage:	18-28 VDC (loop)
Loop resistance:	400 max @ 24 VDC
Signal output:	4-20 mA, two-wire
Signal invert:	4-20 mA or 20-4 mA
Calibration:	Push button (3-button)
Fail safe:	4 mA, 20 mA, 22 mA or hold last
Process Temp.:	F:-4° to 140° C:-20° to 60°
Temp. comp.:	Automatic
Electronics temp.:	F: 40° to 160° C: -40° to 71°
Pressure:	30 psi (2 bar)
Enclosure rating	NEMA 4
Enclosure mat.:	Aluminum
Window mat.:	Glass
Transducer mat.:	PVDF
Process mount:	2" NPT
Conduit entrance:	Dual, 1/2" NPT
Mount. gasket:	Viton®
Compliance:	RoHS
Classification:	Explosion proof
Approvals:	FM: Class 1, Div 1, Groups A, B, C, D Class II/III, Div 1, Groups E, F, G

# EchoSafe



An ultrasonic level transmitter designed for hazardous applications, where an agency certified sensor is needed.

## FEATURES

- Compact XP enclosure with viewing window & dual conduit ports
- Narrow 3" beam diameter enables flexible installations:
- Rugged corrosion resistant PVDF transducer and process mount
- Simple push button configuration enables quick set-up/installation time
- Fail-safe intelligence with diagnostic feedback for easy troubleshooting
- Display indicated air gap or level height distance in inch or centimeter units

## ADVANTAGES

- Scaleable Digital Signal Processing (DSP) technology
- Patented, auto-adaptive signal intelligence
- Unparalleled performance

## BENEFITS

- Made for hazardous environment
- Non-Contact Benefit in a XP Package
- low cost of ownership
- Fast and easy configuration

# EchoSonic

SPECIFICATIONS	
Range:	2" to 26.2' (5cm to 8m)
Accuracy:	± 0.2% of span in air
Beam width:	LU05/12: 2" (5cm) dia.
LU11/13: 3" (7.6cm) dia.	3" (7.6cm) diameter
Dead band:	LU05: 2" (5cm)
LU11/13: 4" (10cm)	
LU13: 8" (20cm)	
Supply voltage:	12-28 VDC
Signal output:	4-20 mA, two-wire
Calibration:	Target, calibration wire
Process temp:	F: -4° to 140°
C: -20° to 60°	
Pressure:	30 psi (2 bar)
Cable length:	10' (3m)
Enclosure rating:	50_1: NEMA 6 (IP67)
51_1: NEMA 4X (IP65)	2" NPT (2" G)
Process mount:	1" / 2" NPT (1" / 2" G)
Trans. material:	PVDF
Classification:	General purpose

Two-wire ultrasonic transmitter providing non-contact level measurement up to 26.2' or 8m, and is well suited for challenging corrosive, slurry or waste liquids.

## FEATURES

- Simple compact sensor with target calibration & LED status indicator
- Offered in four measurement ranges up to 8m with 1" and 2" transducers
- 5 cm minimum beam width for applications with restricted space
- PC/ABS enclosure rated NEMA 6 or NEMA 4X with PVDF transducer
- Fail-safe intelligence with diagnostic feedback for easy troubleshooting

