



The Need For Every  
Process Industry



# ULTRASONIC TYPE LEVEL TRANSMITTER

**MODEL: SC / L - 901**

**LEVEL**

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The Ultrasonic Level Transmitter works on the **time-of-flight principle**. It emits ultrasonic sound waves at a frequency of **25 kHz** toward the surface of the medium. The waves are reflected back as echoes, and the transmitter measures the time taken for the echo to return. This time is converted into distance, providing a continuous and accurate level measurement.

Spink Controls' Ultrasonic Level Transmitter is a **non-contact type instrument** designed for continuous level measurement of liquids and solids. It uses advanced ultrasonic pulse-echo technology to provide accurate and reliable measurement, even in challenging process conditions.

## KEY FEATURES

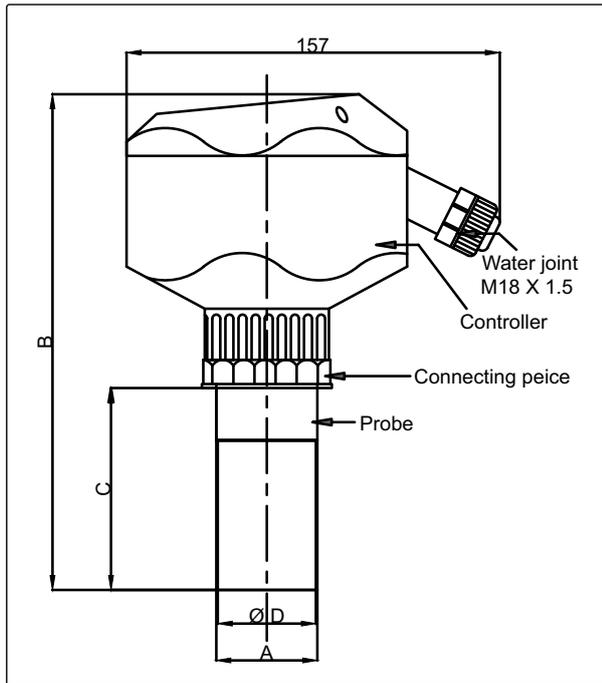
- Reliable & Cost effective
- Easily installed & maintenance free
- Measurement requirement without touching the medium
- Automatic adaptation to virtually all environments
- World's smallest Ultrasonic open channel flow gauge



## ENGINEERING SPECIFICATION

ACCURACY	:	0.5 to 1 %
RESOLUTION RATIO	:	3 mm or 0.1% (WHICHEVER IS GREATER)
DISPLAY	:	LCD
BEAM ANGLE	:	5 DEGREE @ 3db POINT
SENSOR TYPE	:	25 KHz
COMMUNICATION	:	RS 485 , 232 (OPTIONAL)
PROBE CABLE	:	NONE
POWER CONSUMPTION	:	0.72 W FOR 2 WIRE, 1.9 - 3.1 W FOR 4 WIRE
HOUSING MATERIAL	:	ABS + UV
SENSOR MATERIAL	:	ALUMINUM (ECTFE)
SENSOR HOUSING	:	PP
DISPLAY UNIT	:	mm, cm , m
WEIGHT	:	UPTO 1.5 kgs (3.08 LBS)
ANALOG OUTPUT	:	4 LINE SYSTEM, 4 - 20 mA / 510 Ω, 2 LINE SYSTEM, 4 - 20 mA / 2500 Ω
IP GRADE	:	DISPLAY INSTRUMENT: IP 66/ NEEMA 4 PROBE: IP68
RELAY OUTPUT	:	2 GROUPS (I.E. AC 250V/ 8A OR DC 30V/ 5A) OPTIONAL, STATE PROGRAMMABLE
POWER SUPPLY	:	STANDARD CONFIGURATION: 24 VDC OPTIONAL: 220V AC ± 15% 50 HZ
AMBIENT TEMPERATURE	:	DISPLAY INSTRUMENT: -20 TO 60 °C PROBE: -20 TO 80 °C

## DIMENSIONAL DRAWING



A	B (mm)	C (mm)	D (mm)
Thread M48 X 2 or G 1.5 sensor	223	92	46
Thread M60 X 2 or G 2 sensor	210	99	56
Thread M78 X 2 sensor	220	140	74
Thread M108 X 2 sensor	210	115	104

## MODEL SELECTION

Suffix Code	1	2	3	4	5	6	7	Parameters
Model	L-901							Integrated type
Output & Communication	O1							2 wire , 4-20 mA (Standard)
	O2							4 wire , 4 - 20 mA & RS 485
	O3							4 wire , 4 - 20 mA & RS 232
Power supply	DC							24 VDC (Standard - 2 wire)
	AC							220 V AC +/- 15% 50 Hz (optional)
Relay (Optional)	R2							2 no. Relay
	R4							4 no. Relay
	R0							No (Standard - 2 wire)
Process Connection	P1							M48 x 2 or G 1.5 screw thread
	P2							M60 x 2 or G 2 screw thread
	P3							M78 x 2 screw thread
	P4							M108 x 2 screw thread
Enclosure	ST							Standard (IP 66, probe cable - IP 68)
	EX							Explosion proof
Measuring Range upto	XX							Upto 5, 10, 15, 20, 30, 40, 50, 60 mtr.



# SPINK CONTROLS®

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