

Non-Contact Mini Ultrasonic Level Transmitters for Sanitary Applications | UM-SAN



The UM-SAN mini ultrasonic level transmitter is the ideal solution for short range sanitary / hygienic liquid level applications.

Features

- SS316L transducer face with 1.5" or 2" tri-clamp mounting
- Surface finish exposed to process exceeds a No.4/dairy finish
- Withstands clean-in-place (CIP) processes with high temp. / pressure upgrade
- Maintenance-free, non-contact continuous level measurements
- Self-cleaning design, no build-up or condensation on transducer face
- Plug-and-play installation with simple push-button calibration
- Built-in temperature compensation
- 3-wire operation with 4-20 mA / 20-4 mA output standard
- RS485 communications with free calibration, diagnostics and data logging software
- PLC compatible (Modbus RTU)
- Optional relay SPDT 8A / 230 VAC for alarm or pump control
- Ingress protection IP68 rating (NEMA 6)



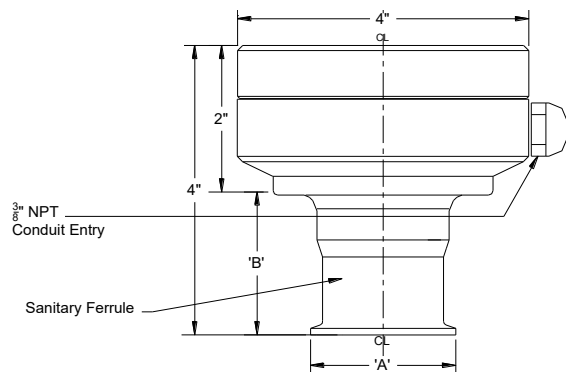
Applications

Liquid level measurement for: Water, Food, Beverage, Pharmaceutical and more.

Technical Data	
Measuring Range:	0.33 to 33 ft (0.12 to 9.1 m)
Temperature:	-40 to 60°C (-40 to 140°F) or -40 to 130°C (-40 to 266°F) with HTP
Pressure Rating:	≤ 2 Bar (29 psi) or ≤ 5 Bar (72.5 psi) with HTP
Mounting:	1.5" or 2" tri-clamp

Catalogue Number Ordering		
Supply Voltage:	12-30 VDC Power (3-wire)	300
Maximum Range:	6 ft (1.8 m) - 148 kHz 16 ft (4.9 m) - 81 kHz 20 ft (6.1 m) - 080 kHz 33 ft (10.1 m) - 070 kHz	148 081 080 070
Product Series:	Mini Ultrasonic Transmitter	UM
Communication:	RS485	C4
Enclosure:	PVC	PV
Transducer:	SS316L 1.5" Tri-Clamp SS316L 2" Tri-Clamp	S15 S20
Optional:	High Temperature and Pressure	HTP

Dimensions



Model:	ABM	300	-	- - -	UM	C4	-	PV	- - -	-	- - -
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Order from: **C A Briggs Company**; 622 Mary Street; Suite 101 - Warminster, PA 18974
Phone: 267-673-8117 - Fax: 267-673-8118; E-Mail: Sales@cabriggs.com - www.cabriggs.com

Non-Contact Radar Level Sensors for Sanitary / Hygienic Applications | R-SAN



The R-SAN pulse radar level sensor is the ideal solution for hygienic liquid, slurry or solid level applications with vapours, gases, foaming or volatile surfaces.

Features

- Food Grade Teflon antenna with 2" tri-clamp mounting
- Withstands clean-in-place (CIP) processes up to 204°C (400°F)
- Maintenance-free, non-contact continuous level measurements
- Build-up resistant Teflon rod antenna easily sheds condensation
- Plug-and-play installation with simple calibration
- 2-wire loop-powered, 3-wire or 4-wire operation with 4-20 mA / 20-4 mA output standard
- Optional HART, RS232 or RS485 communications with free calibration, diagnostics and data logging software
- PLC compatible (Modbus RTU)
- Aluminum and SS316L housing options to withstand any environment
- Ingress protection IP68 rating (NEMA 6)



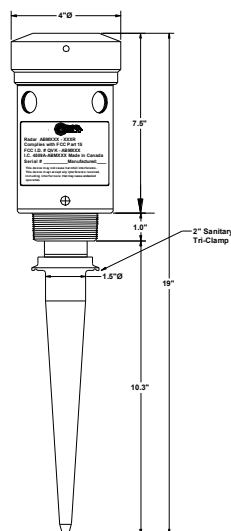
Applications

Liquid and solid level measurement for: Water, Food, Beverage and Pharmaceutical.

Technical Data	
Measuring Range:	Up to 100 ft (30.5 m)
Temperature:	-40 to 204°C (-40 to 400°F)
Pressure Rating:	≤ 2 Bar (29 psi)
Mounting:	2" tri-clamp

Catalogue Number Ordering		
Supply Voltage:	16-30 VDC Loop-Powered (2-wire)	200
	12-30 VDC Power (3-wire)	300
	115 VAC Power (4-wire)	400
	230 VAC Power (4-wire)	430
Maximum Range:	17 ft (5.2 m)	017
	33 ft (10.1 m)	033
	50 ft (15.2 m)	050
	100 ft (30.5 m)	100
Frequency:	5.8 GHz	R5
	6.3 GHz	R6
Communication:	HART	CH
	RS232	C2
	RS485	C4
Enclosure:	Aluminum	AL
	SS316L	SS
Antenna:	Sanitary Teflon Rod	S20
Process Connection:	2" Tri-Clamp	C20

Dimensions



Model:	ABM	-	-	-	-	-	-	-	S20C20
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Non-Contact Ultrasonic Level Sensors for Sanitary Applications | UL-SAN



The UL-SAN ultrasonic level sensor is the ideal solution for hygienic liquid, slurry or solid level applications.

Features

- SS316L transducer face with 1.5" or 2" tri-clamp mounting
- Surface finish exposed to process exceeds a No.4 / dairy finish
- Withstands clean-in-place (CIP) processes with high temp. / pressure upgrade
- Maintenance-free, non-contact continuous level measurements
- Self-cleaning design, no build-up or condensation on transducer face
- Plug-and-play installation with simple calibration
- Built-in temperature compensation
- 2-wire loop-powered, 3-wire or 4-wire operation with 4-20 mA / 20-4 mA output standard
- Optional HART, RS232 or RS485 communications with free calibration, diagnostics and data logging software. PLC compatible (Modbus RTU)
- PVC, aluminum and SS316L housing options to withstand any environment
- Ingress protection IP68 rating (NEMA 6)



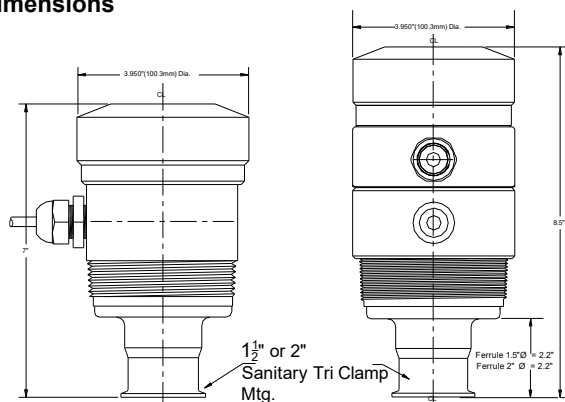
Applications

Level measurement for: Food, Beverage, Pharmaceutical, Water and more.

Technical Data	
Measuring Range:	0.4 to 30 ft (0.12 to 9.1 m)
Temperature:	-40 to 60°C (-40 to 140°F) or -40 to 130°C (-40 to 266°F) with HTP
Pressure Rating:	≤ 2 Bar (29 psi) or ≤ 5 Bar (72.5 psi) with HTP
Mounting:	1.5" or 2" tri-clamp

Catalogue Number Ordering		
Supply Voltage:	12-30 VDC Loop-Powered (2-wire) 12-30 VDC Power (3-wire) 120 VAC Power (4-wire) 230 VAC Power (4-wire)	200 300 400 430
Maximum Range:	9 ft (2.7 m) - 148 kHz 16 ft (4.9 m) - 81 kHz 20 ft (6.1 m) - 80 kHz 30 ft (9.1 m) - 70 kHz	148 081 080 070
Product Series:	Ultrasonic Sensor	UL
Communication:	HART RS232 RS485	CH C2 C4
Enclosure:	PVC Aluminum SS316L	PV AL SS
Transducer:	SS316L 1.5" Tri-Clamp SS316L 2" Tri-Clamp	S15 S20
Optional:	High Temperature and Pressure	HTP

Dimensions



Model:	ABM	-	-	UL	-	-	-	-	-
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