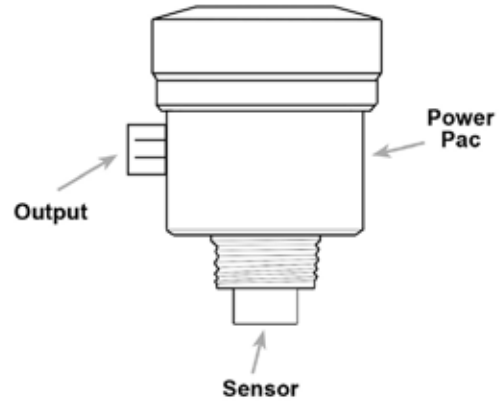


Mark X if none					
Sample					
SS300.	045	M	P	P	X



**Options**

- H: High Temp -40° to 266° F, High Pressure 70 psi (5 bar)
- R: Relay output (SS-300 mini only)

**Sensor Material**

- P: Standard - 3" (1" mini) -40° to 40° F, (-40° to 60° C), 29 psi (2 bar), (1, 2, 3, 4)
- T: High Temp - 3" (1" mini) -40° to 266° F, (-40° to 130° C), 29 psi (2 bar), (1, 2, 3, 4)
- 2: Sanitary - 2" -40° to 266° F, (-40° to 130° C), 29 psi (2 bar), (2, 4, 5)
- 1: Sanitary - 1.5" -40° to 266° F, (-40° to 130° C), 29 psi (2 bar), (2, 4, 5)

**Body Material**

- P: PVC

**Output**

- H: Analog 4-20 mA (1)
- M: Modbus RS-485 & Analog 4-20 mA (2, 3, 4)

Frequency	Range	Resolution	Beam Angle	
45 - 45 kHz:	1.0-60 ft (0.30-18.2M)	0.27"(68mm)	9°	(1, 2, 3, 4)
52 - 52 kHz:	0.9-50 ft (0.27-15.2M)	0.23"(68mm)	12°	(1, 2, 3, 4)
70 - 70 kHz:	0.8-30 ft (0.24-9.1M)	0.13"(68mm)	12°	(1, 2, 3, 4)
80 - 80 kHz:	0.7-20 ft (0.21-6.1M)	0.088"(68mm)	12°	(1, 2, 3, 4)
81 - 81 kHz:	0.6-16 ft (0.18-4.9M)	0.07"(68mm)	12°	(1, 2, 3, 4)
148- 148 kHz:	0.4-9 ft (0.12-2.7M)	0.04"(68mm)	12°	(1, 2, 3, 4)
82 - 80 kHz Mini:	0.7-20 ft (0.21-6.1M)	0.088"(68mm)	12°	(1, 2, 3, 4)
149 - 148 kHz Mini:	0.4-9 ft (0.12-2.7M)	0.04"(68mm)	12°	(1, 2, 3, 4)

**Power Pac**

- SS200.: SS200 SmartSonic 12-28 VDC Loop Powered
- SS300.: SS300 SmartSonic 12-30 VDC
- SS400.: SS400 SmartSonic 115 VAC
- SS430.: SS430 SmartSonic 230 VAC

- 1: SS200
- 2: SS300
- 3: SS400
- 4: SS430
- 5: 70, 80, 81, 148 kHz only



### SmartSonic

The SmartSonic ultrasonic level sensor is designed for continuous non-contact level measuring and monitoring of tanks, bins, and silos. Its transmitter features a high efficiency, narrow beam and uses a wide frequency bandwidth to enhance operation in difficult applications. The SmartSonic is designed to perform particularly well in harsh environments where vessel temperatures vary, using a temperature sensor to automatically compensate for temperature changes. Its transmitter range allows for level readings from 0.4 to 90 feet in liquid applications.

Description	CODE	Part No.
<b>POWER PAC</b>		
SmartSonic 12-28 VDC Loop Powered	SS200.	
SmartSonic 12-30 VDC	SS300.	
SmartSonic 115 VAC	SS400.	
SmartSonic 230 VAC	SS430.	
<b>FREQUENCY</b>		
Range: 45 kHz: 1.0-60 ft (0.30-18.2M) Resolution: 0.27" (6.8 mm) Beam Angle: 9° Mounting: 3" NPT	45	
Range: 52 kHz: 0.9-50 ft (0.27-15.2M) Resolution: 0.23" (6.7 mm) Beam Angle: 12° Mounting: 2" or 3" NPT	52	
Range: 70 kHz: 0.8-30 ft (0.24-9.1M) Resolution: 0.13" (3.4 mm) Beam Angle: 12° Mounting: 2" or 3" NPT	70	
Range: 80 kHz: 0.7-20 ft (0.21-6.1M) Resolution: 0.088" (2.2 mm) Beam Angle: 12° 2" or 3" NPT	80	
Range: 81 kHz: 0.6-16 ft (0.18-4.9M) Resolution: 0.07" (1.8 mm) Beam Angle: 12° Mounting: 1.5" or 3" NPT	81	
Range: 148 kHz: 0.4-9 ft (0.12-2.7M) Resolution: 0.04" (0.98 mm) Beam Angle: 12° Mounting: 1" or 3" NPT	148	
Range: Mini 80 kHz: 0.7-20 ft (0.21-6.1M) Resolution: 0.088" (2.2 mm) Beam Angle: 12° Mounting: 1.5" Ferrule	82	

Description	CODE	Part No.
Range: Mini 148 kHz: 0.4-9 ft (0.12-2.7M) Resolution: 0.04" (0.98 mm) Beam Angle: 12° Mounting: 1" NPT	149	
<b>OUTPUT</b>		
Analog: 4-20 mA	H	
Analog: 4-20 mA	M	
<b>BODY MATERIAL</b>		
Standard PVC	P	
<b>SENSOR MATERIAL</b>		
Type: 3" Standard PVC (1" Mini) Temperature: -40° to 140° F, (-40° to 60° C) PSI: 29 psi (2 bar)	P	
Type: 3" High Temp Teflon (1" Mini) Temperature: -40° to 266° F, (-40° to 130° C) PSI: 29 psi (2 bar)	T	
Type: Sanitary 2" connection (70, 80, 81, 148 kHz only) Temperature: -40° to 266° F, (-40° to 130° C) PSI: 29 psi (2 bar)	2	
Type: Sanitary 1.5" connection (70, 80, 81, 148 kHz only) Temperature: -40° to 266° F, (-40° to 130° C) PSI: 29 psi (2 bar)	1	
<b>OPTIONS</b>		
High temperature, high pressure -40° to 266° F, (-40° to 130°), 70 psi (5 bar)	H	
Relay output (SS-300 mini only)	R	
<b>MOUNTING PLATES</b>		
SSMP-1 - Self-aligning carbon steel 3" ball and socket flange provides vertical connection for tanks with a radius dome or angled roof top, provides easy aiming flexibility.		416-0367