SAH | Sanitary Autoclave Heavy-Duty

Specifications

The SAH is designed for applications where a more rugged sensor and cable combination is required. The completely waterproof design easily handles the harsh, repeated steam/vacuum cycling of the autoclave process and incorporates an EDPM protective jacket to minimize sensor/cable separation and failure during rough handling or accidental stretching/extension. The continuous one-piece, low-profile design with “ruggedized” shock-resistant sensor is an excellent choice and provides an extra measure of protection when used in larger “walk-in” chambers where movement of carts or repeated handling and accidental “abuse” may occur.

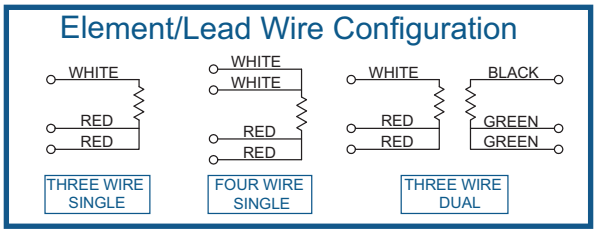
Features and Benefits:

- Application: Chamber probe
- Accuracy: Standard*
- Sheath: 316 stainless steel in 0.25" diameter
- Element/Lead Wire Configuration: Single 3 or 4 wire and dual 3 wire
- Cable: Twisted Teflon® insulated wires with integrated flexible EDPM fiber reinforce protective jacket
- Through-Wall Installation: Sanitary port
- Cleanability: 316 stainless steel and Teflon®/EDPM cable construction

*Accuracy of 0.2°C can be achieved via matching sensor with transmitter

Specifications:

- Element Configuration: Single or dual element, 100 ohms at 0°C, 0.00385 ohm/ohm/°C nominal alpha
- Temperature Range: -50°C to 200°C
- Transition Fitting and Cable Temperature Limits: -50°C to 200°C continuous
- R0 Interchangeability: R0 ±0.10 ohms
- Short-Term Repeatability and Hysteresis: ±0.025°C (0.01 ohms) maximum change at 0°C over any 5 consecutive thermal cycles from 0°C to 135°C
- Repeatability: ±0.10°C (0.04 ohms) maximum shift at 0°C after 10 cycles between -50°C and 200°C
- Stability: ±0.26°C (0.10 ohms) maximum shift at 0°C after 1000 hours at 200°C
- Pressure: 1 psia to 35 psia
- Insulation Resistance: 100 megohms minimum at 100 VDC at room temperature



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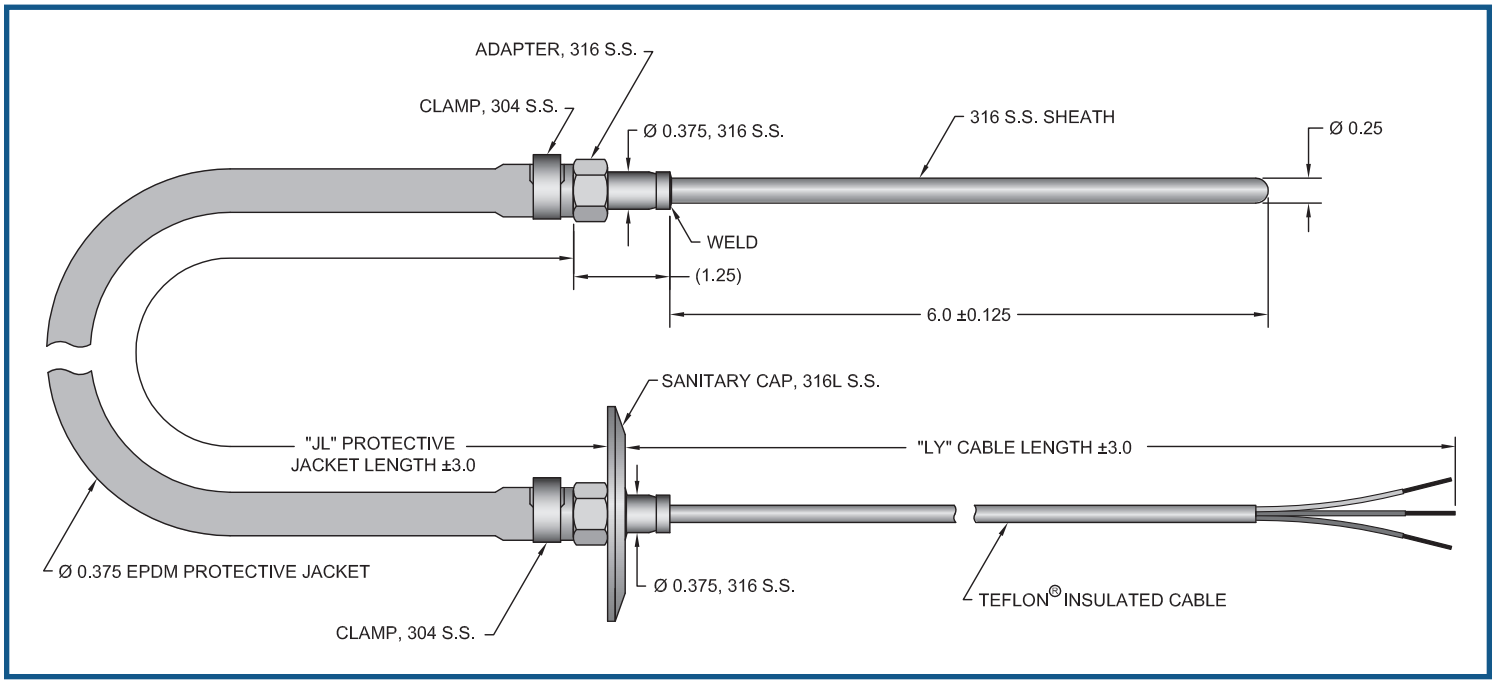
Ordering Information



All dimensions in inches

Accuracy

-10 Standard RTD +/-0.10% of resistance at 0 degrees C

Element / Wire Configuration

A	*Three wire single element
B	Four wire single element
C	*Three wire dual element

"JL" Protective Jacket Length, 72.0 inch minimum length

120	120 inch protective jacket length
180	180 inch protective jacket length
240	240 inch protective jacket length
300	300 inch protective jacket length
	Specify protective jacket length in inches, 12 inch increments

"LY" Cable Length Beyond Protective Jacket, 12.0 minimum length

-120	120.0 inch cable length
-180	180.0 inch cable length
-240	240.0 inch cable length
-300	300.0 inch cable length
	Specify cable length in inches, 12 inch increments

Cap Size

-15	1.5 inch
-20	2.0 inch
-25	2.5 inch
-30	3.0 inch
-40	4.0 inch

SAH | | | | | |

* **For all Three Wire sensors** – please specify ***actual "installed" cable length*** as certain lengths cannot be shortened upon installation without impacting sensor accuracy. Visit burnsengineering.com and type in keyword: SAC, SAL, SAH or SAX for the specification drawing with cable length criteria; or contact Burns Customer Service for more information.