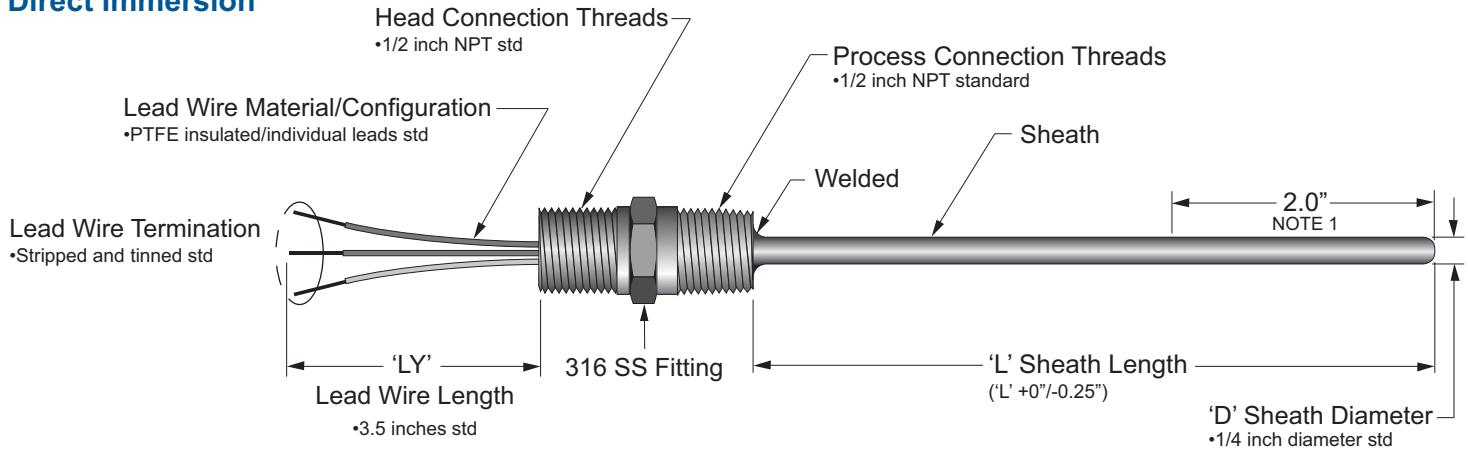


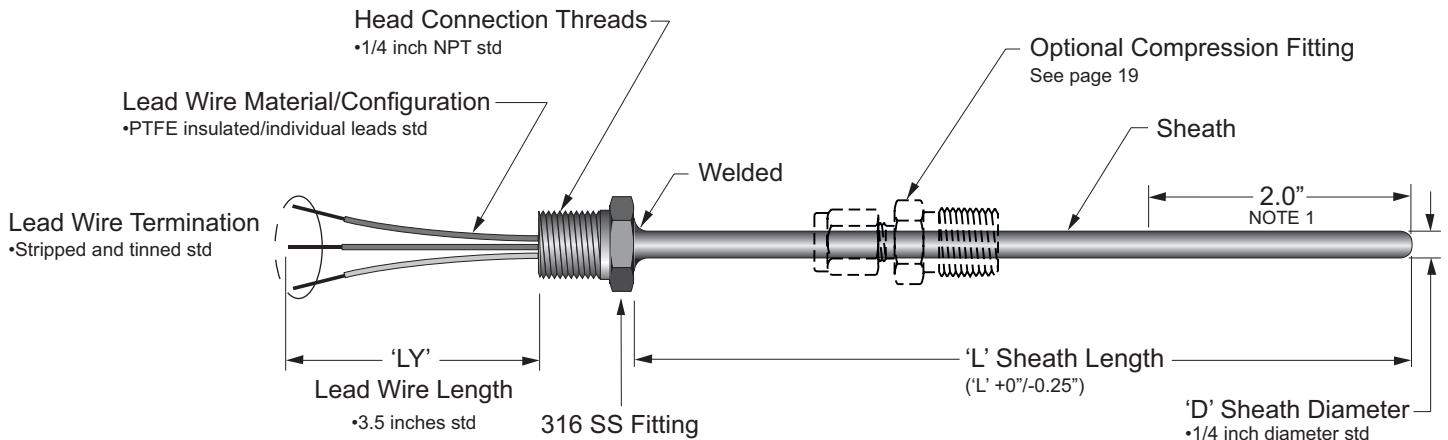
'A' and 'B' Style Direct Immersion Sensors

Specifications

'A' Style Direct Immersion



'B' Style Variable Immersion



'A' Style Application

Designed for direct immersion into the process where fast response is needed or in small diameter lines where a thermowell can't be used. Pressure rated to 3000 psi.

'B' Style Application

A variable immersion version of the 'A' Style. Brass or 316 SS compression fitting with PTFE or SS ferrules are available. PTFE allows for readjustment of the immersion length.

NOTE 1: 1st 2.0 inches of Series 200 sensors Do Not Bend

'A' Style and 'B' Style Direct Immersion Sensors

Ordering Information

200	Burns Series 200
300	Burns Series 300

Sensor Style	
A	Direct Immersion
B	Variable Immersion

RTD Accuracy		Sheath Material
10	Standard RTD +/- 0.10% of resistance at 0 degrees C	316 SS
05	Precision RTD +/- 0.05% of resistance at 0 degrees C (not available with the Series 300 model)	316 SS

RTD Element Lead Configuration	
A	Three Wire Single
B	True Four Wire Single
C	Three Wire Dual

Connection Head (See NOTE 1)		Sensor/Head Connection
1C	Cast Iron Head	1/2" NPT
2A	Aluminum Head	1/2" NPT
2E	Aluminum Head, Epoxy Coated	1/2" NPT
3A	Aluminum Head with Water Proof Kit	1/2" NPT
3E	Aluminum Head, Epoxy Coated with Water Proof Kit	1/2" NPT
4A	Miniature Aluminum Head	1/4" NPT
5A	Aluminum Head	1/2" NPT
5E	Aluminum Head, Epoxy Coated	1/2" NPT
9P	Polypropylene Head, White	1/2" NPT
14S	Stainless Steel Head	1/2" NPT
19A	Aluminum Head with LED Indicator	1/2" NPT
24S	Stainless Steel Head with Battery Powered LCD Indicator	1/2" NPT
25A	Aluminum Head with Option for Remote Mount	3/4" NPT
N	No Connection Head	

'L' Sheath Length (See NOTE 2)	
035	3.5 inch (minimum)
055	5.5 inch
085	8.5 inch
115	11.5 inch
175	17.5 inch
LLL	Specify 'L' Length in inches for 'L' ≤ 99.9" (LLLL for 'L' > 99.9". ex: 150"=1500)

Basic Order Codes

(Leave Options blank if not required)

Explosion Proof
(NOTE 3)

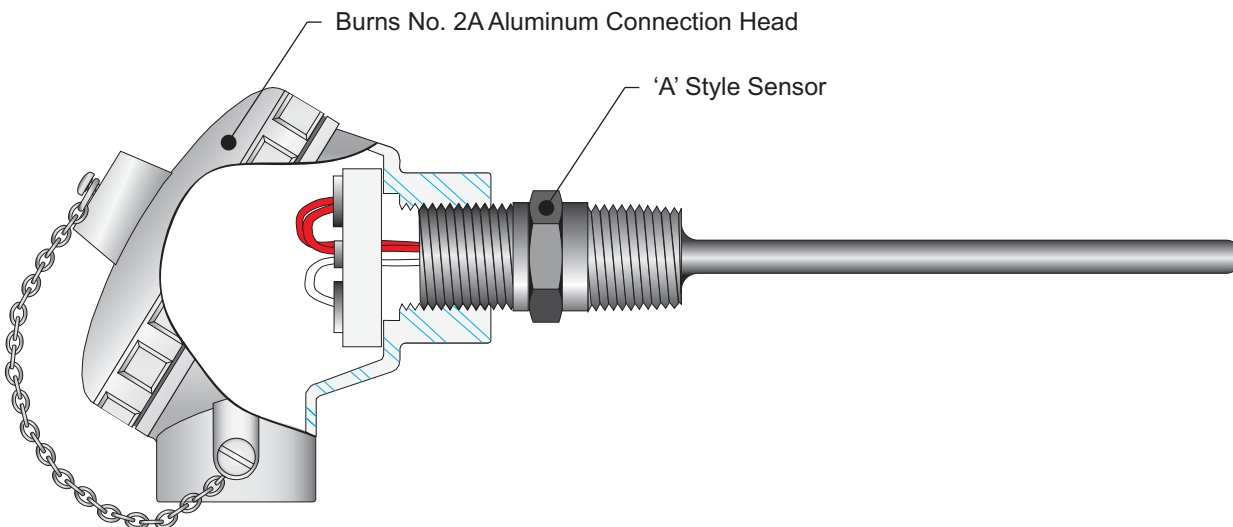
Options

Transmitter

See pages 17-19

FOR REFERENCE:
 RTD Specifications, page 3 and 4
 Common Options, pages 17 – 19
 Connection Head Descriptions, page 20

Example Configuration



NOTE 1: See our Connection Head Supplement for all available connection heads and full details.

NOTE 2: For sensor sheath lengths 'L' greater than 200 inches, contact Burns Customer Service.

NOTE 3: For FM explosion proof approved assembly, enter 'AFM' code. See page 4 for ratings and [drawing # 18938](#) for approved product structure details.