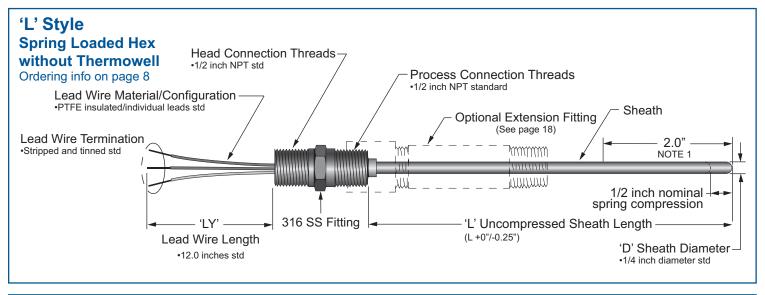
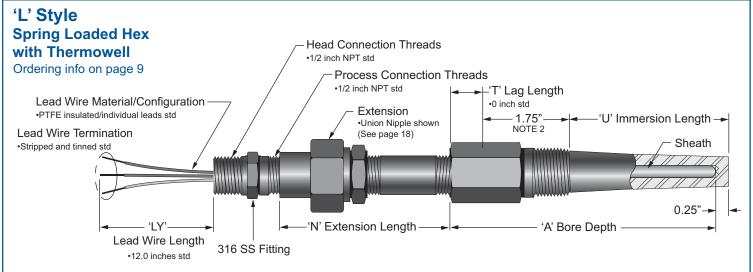
# 'L' Style Spring Loaded Hex Fitting Sensors

**Specifications** 





### 'L' Style Application

Adaptable to a variety of connection heads or direct to conduit. Union connection allows for easy removal for calibration without disconnectiong the leads.

Length Code Definitions and Equations for 'L' Style Assemblies								
Length Codes	For Threaded & Socket Wells	For Flanged Wells						
'L' Uncompressed Sheath Length 'U' Immersion Length 'N' Extension Length 'A' Well Bore Depth 'T' Well Lag Length	L = N + A L = N + U + T + 1.5 A = U + T + 1.5	L = N + A L = N + U + T + 2 A = U + T + 2						

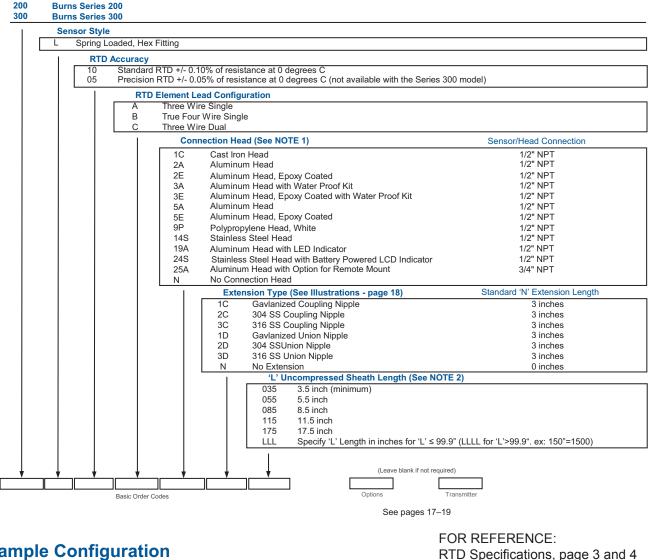
NOTE 1: 1st 2.0 inches of Series 200 and 300 sensors Do Not Bend

NOTE 2: 1.75 inch length is used on threaded and socket weld thermowells. A 2.25 inch length is used with flanged wells



## 'L' Style Spring Loaded Hex Fitting Sensors without Thermowell

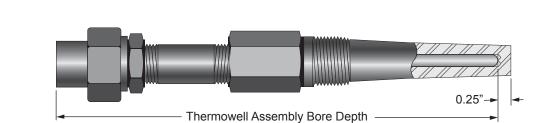
**Ordering Information** 



## **Example Configuration**

1/2 inch nominal thread engagement -Creates spring compression of 1/2 inch

Common Options, pages 17 – 19 Connection Head Descriptions, page 20



(Equal to Sensor Length 'L')

('L' +0"/-0.25")

- 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.

200

**Burns Series 200** 

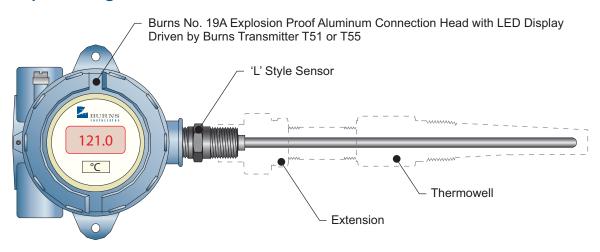
# 'L' Style Spring Loaded Hex Fitting Sensors with Thermowell

Ordering Information (1 of 2)

300		ns Series 3 nsor Style							
lг			aded, Hex	Fitting					
				i ittiiig					Observation Market and
		10	Accuracy	DTD ./ 0	100/ -f:	44 0	4		Sheath Materia
		05			10% of resis		degrees C degrees C (not currently available w	ith the Series 300 model)	316 SS
		00					degrees C (not currently available w	itil tile Selles 300 model)	316 SS
					ead Config	uration			
			A		ire Single				
			B C	Three W	r Wire Sing	е			
			C						
					nection He		TE 1)	Sensor/Head Conn	ection
		- 1		1C	Cast Iron			1/2" NPT	
				2A 2E	Aluminu		poxy Coated	1/2" NPT 1/2" NPT	
				3A			h Water Proof Kit	1/2 NPT 1/2" NPT	
				3E			poxy Coated with Water Proof Kit	1/2" NPT	
				5A	Aluminu		ooxy coaled will water i recritic	1/2" NPT	
				5E	Aluminu	m Head. Er	poxy Coated	1/2" NPT	
		- 1		9P		ylene Head		1/2" NPT	
				148		s Steel Hea		1/2" NPT	
		- 1		19A			h LED Indicator	1/2" NPT	
		- 1		248	Stainless	Steel Hea	d with Battery Powered LCD Indicate		
				25A N		m Head with nection Hea	n Option for Řemote Mount	3/4" NPT	
				N			(See Illustrations - page 18)	Standard 'N' Extension	n Longth
					1C		ed Coupling Nipple	3 inches	
					2C		Coupling Nipple	3 inches	
					3C		Coupling Nipple	3 inches	
					1D		ed Union Nipple	3 inches	
					2D		nion Nipple	3 inches	i
					3D		Jnion Nipple	3 inches	
					N	No Exten		0 inches	i
							nmersion Length (See NOTE 2)		
						025	2.5 inch (minimum)		
						040	4.0 inch		
						045 070	4.5 inch 7.0 inch		
						070	7.5 inch		
						100	10.0 inch		
						105	10.5 inch		
						135	13.5 inch		
						160	16.0 inch		
							Specify 'U' Immersion Length in i	nches	
<b>↓</b>	¥	<b>↓</b>	↓	↓	. ↓	<b>\</b>			
· п	- '	1 -		ı— <u> </u>	¬	ı— —	Required basic order codes	continued on next need	

### **Example Configuration**

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



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

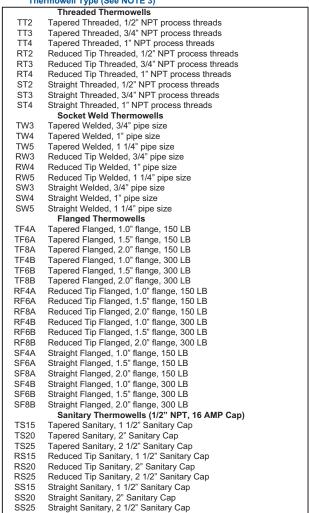
NOTE 2: For Thermowells with Bore Depths ('A') greater that 42 inches contact Burns Customer Service. Long length wells can be constructed from welded bar stock segments or from pipe. Specifics of the application must be verified to ensure the thermowell design meets your process needs.



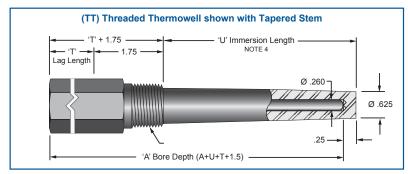
## 'L' Style Spring Loaded Hex Fitting Sensors with Thermowell

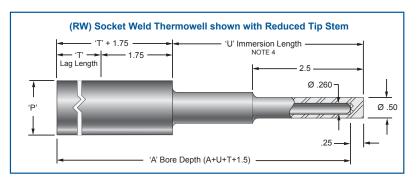
Ordering Information (2 of 2)

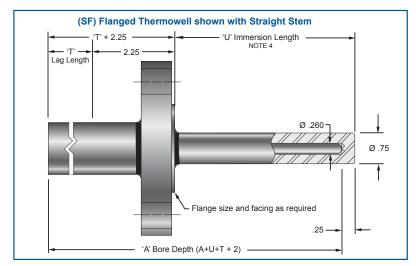
### Thermowell Type (See NOTE 3)

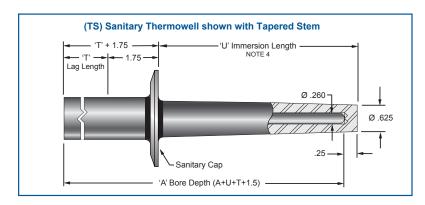


#### Thermowell Material 304 Stainless Steel 03 316 Stainless Steel Carbon Steel 04 05 304L Stainless Steel 316L Stainless Steel 06 07 Hastelloy® C276 08 Chrome-Moly 09 Aluminum 6061 T6 10 Monel™ PTFE 11 Inconel® 600 12 13 **Brass** <u>Titanium</u> (Leave Options blank if not required) Basic Order Codes









NOTE 3: See our Thermowell catalog or visit us on-line at burnsengineering.com for a full line of standard thermowell styles along with information on custom thermowells.

NOTE 4: For Thermowells with Bore Depths ('A') greater that 42 inches contact Burns Customer Service. Long length wells can be constructed from welded bar stock segments or from pipe. Specifics of the application must be verified to ensure the thermowell design meets your process needs.

NOTE 5: For FM explosion proof approved assembly, enter '/AFM' code. See page 4 for ratings and drawing # 18938 for approved product structure details.

See pages 17-19