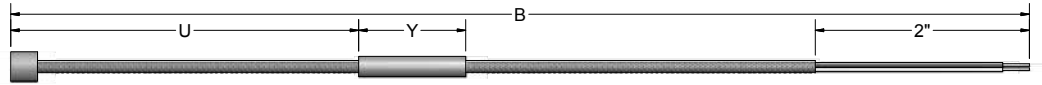


The miniature sensors are designed to measure the critical temperature of equipment such as sleeve bearings, thrust bearings, bearing shoes, and various other bearings where temperature is critical to performance. These types of bearings are generally used in the operation of high-speed rotating equipment such as compressors, generators, and turbines. The sensors are typically imbedded or installed beneath the Babbitt layer of the bearing to monitor the temperature, allowing early warning of the breakdown of the lubricants. This early warning allows preventative maintenance to take place before major problems occur.



### ORDER CODES

**Example  
Order Number:**

0 1 2 3 4 5  
**HL30 - JBSU - AT - 00 - T3120 - 2**

#### 0 ATEX Certification<sup>[1]</sup>

CODE	DESCRIPTION
HL30	ATEX Certified CE Ex II3G Ex ic IIC T4
[1] Selection optional, not required for general-purpose sensors	

#### 1 Thermocouple Type

CODE	DESCRIPTION
<b>SINGLE</b>	<b>DUPLEX</b>
JBSU	JJBSU
KBSU	KKBSU
TBSU	TTBSU
EBSU	EEBSU

#### 3 Sealing Options

CODE	DESCRIPTION
00	No sealing option
3P"Y", "U"	3/16" O.D. pass through (must specify "Y" length and "U" length)
4P"Y", "U"	1/4" O.D. pass through (must specify "Y" length and "U" length)

#### 2 Case Options

CASE STYLE	
CODE	DESCRIPTION
A	0.275" O.D. x 0.250" Long
B	0.188" O.D. x 0.250" Long
BS	0.188" O.D. x 0.250" Long (Includes spring and washer)
C <sup>[1]</sup>	0.125" O.D. x 0.300" Long
D <sup>[1]</sup>	0.080" O.D. x 0.300" Long
CASE MATERIAL	
CODE	DESCRIPTION
T	Tin-plated copper
N	Nickel-plated copper
[1] Not available in duplex	

#### 4 Extension Leadwire Type ("B" Dimension)

CODE	DESCRIPTION	AVAILABLE CALIBRATIONS			
		J	K	T	E
T1	Fluoropolymer insulation-solid conductor	X	X		
T3J	Fluoropolymer insulation-individual leads-stranded conductor	X	X	X	X
T3	Fluoropolymer insulation-stranded conductor	X	X	X	X
T3B	Fluoropolymer insulation-stranded conductor-stainless steel overbraid	X	X		

#### 5 Termination

CODE	DESCRIPTION
0	No Termination
2	2" split leads 1/4" strip
3	2" split leads with spade lugs

WIRE TYPE		CASE STYLE A <sup>[1]</sup>		CASE STYLE B <sup>[1]</sup>		CASE STYLE C <sup>[1]</sup>		CASE STYLE D <sup>[1]</sup>	
CODE	DESCRIPTION	Single	Duplex	Single	Duplex	Single	Duplex	Single	Duplex
T1	Fluoropolymer insulation-solid conductor	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	N/A	30 AWG	N/A
T3J	Fluoropolymer insulation-individual leads-stranded conductor	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	N/A	N/A	N/A
T3	Fluoropolymer insulation-stranded conductor	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	N/A	N/A	N/A
T3B	Fluoropolymer insulation-stranded conductor-stainless steel overbraid	24 AWG	24 AWG	24 AWG	N/A	24 AWG	N/A	N/A	N/A

[1] Refer to page SP-11 for case style dimensions.