

Miniature Temperature Sensors

For miniature bearing and babbitt bearing applications

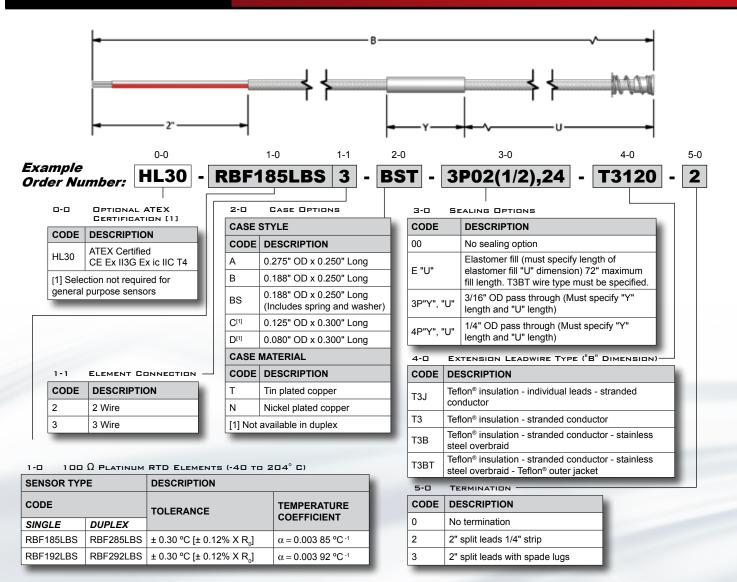
- General purpose and ATEX-certified designs available
- Supplied in multiple case styles
- Custom designs on request
- Rugged construction
- RTD and Thermocouple Types available
- · Pass throughs, elastomer fill and accessories
- · Standard four day delivery
- · Application proven



ATEX Certification Available

Pyromation's
miniature sensors
are designed to measure
the critical temperature of the metal
bearing shoes operating in generators,
turbines and other rotating equipment. Monitoring
the bearing temperature of rotating equipment is very
important in preventing machine failures caused by the
breakdown of the lubricating oil when it becomes too hot. Pyromation
not only provides a cost-effective line of miniature sensors for these
applications, they have experienced sales and engineering support available to
assist you in finding the best way to measure temperature in your equipment.

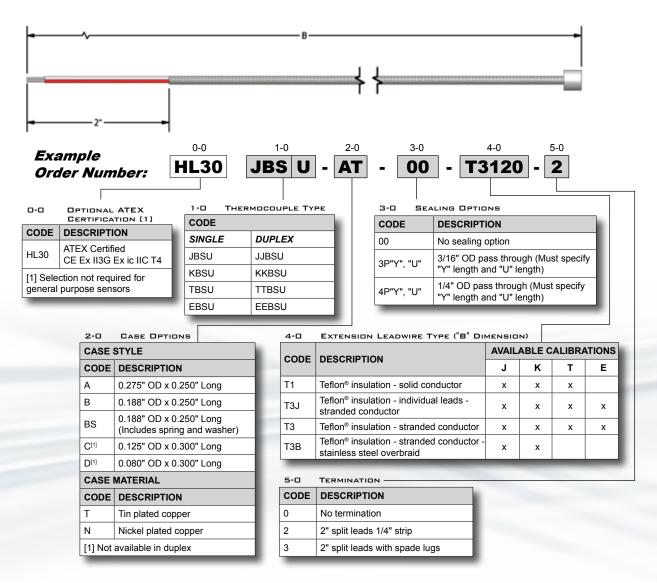




100 Ω Platinum RTD α = 0.00385 °C -1 α = 0.00392 °C -1		CASE STYLE A Ø 0.275" OD x 0.250" L		Ø 0.188" OD x 0.250" L Flange 0.250" OD x 0.030" L		Ø 0.125" OD x 0.300" L		Ø 0.080" OD x 0.300" L	
CODE	DESCRIPTION	Single	Duplex	Single	Duplex	Single	Duplex	Single	Duplex
T3J	Teflon® insulation - individual leads - stranded conductor	2 or 3 wire 24 AWG	2 or 3 wire 28 AWG	2 or 3 wire 24 AWG	2 or 3 wire 28 AWG	2 or 3 wire 28 AWG	2 or 3 wire 30 AWG	2 or 3 wire 30 AWG	N/A
Т3	Teflon® insulation - stranded conductor	2 or 3 wire 24 AWG	2 or 3 wire 28 AWG	2 or 3 wire 24 AWG	2 or 3 wire 28 AWG	2 or 3 wire 28 AWG	2 or 3 wire 28 AWG	N/A	N/A
ТЗВ	Teflon® insulation - stranded conductor - stainless steel overbraid	2 or 3 wire 24 AWG	2 or 3 wire 28 AWG	2 or 3 wire 24 AWG	2 or 3 wire 28 AWG	N/A	N/A	N/A	N/A
ТЗВТ	Teflon® insulation - stranded conductor - stainless steel overbraid - Teflon® outer jacket	2 or 3 wire 24 AWG	2 or 3 wire 30 AWG	2 or 3 wire 24 AWG	2 or 3 wire 30 AWG	N/A	N/A	N/A	N/A

Teflon® is a registered trademark of E.I. du Pont de Nemours and Company.





Thermocouple Types J, K, T, E		Ø 0.275" OD x 0.250" L		Ø 0.188" OD x 0.250" L Flange 0.250" OD x 0.030" L		Ø 0.125" OD x 0.300" L		Ø 0.080" OD x 0.300" L	
CODE	DESCRIPTION	Single	Duplex	Single	Duplex	Single	Duplex	Single	Duplex
T1	Teflon® insulation - solid conductor	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	N/A	30 AWG	N/A
T3J	Teflon® insulation - individual leads - stranded conductor	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	N/A	N/A	N/A
Т3	Teflon® insulation - individual leads - stranded conductor	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	N/A	N/A	N/A
T3B	Teflon® insulation - stranded conductor - stainless steel overbraid	24 AWG	24 AWG	24 AWG	N/A	24 AWG	N/A	N/A	N/A

INSTALLATION INSTRUCTIONS							
CASE STYLE	INSTALLATION	ILLUSTRATION					
A	Install sensor just below the babbitt layer – near bearing shoe surface, then puddle the babbitt metal over the sensor tip and smooth.	BEARING SHOE LEADWRE 00.278-0.281 [7.06-7.14 mm] \$60.188 [4.78 mm]					
В	This sensor is designed with a spring and retaining ring that allows for spring loading. Slide the spring and ring over the leads. Insert the sensor tip into a hole bored into the bearing shoe and push down on the retaining ring to compress the spring and secure the sensor.	BABBITT (7.92 ± 0.001 [7.92 ±					
C & D	Bore the sensor hole in the bearing shoe near, but not touching, the babbitt surface. Insert sensor and secure by potting/bonding with epoxy.	SENSOR SHOE					

Accessories							
PART NUMBER	DESCRIPTION	ILLUSTRATION					
B067901	Spring	QQQQ					
B010602	Retaining Washer	Ø					
B010801	Retaining Ring						

SPEED, SERVICE, SOLUTIONS... BEYOND MEASURE®

Operating since 1962, Pyromation is the premier temperature sensor manufacturer in North America. From RTDs and thermocouples to thermowells, connection heads, transmitters, accessories and complete assemblies, Pyromation can make the right temperature sensor for your process and deliver it faster than anyone in the industry. A broad product line, industry experience, friendly customer service and quick delivery make Pyromation the best choice for your temperature measurement applications. For more information, please call us or visit www.pyromation.com.



5211 Industrial Road // Fort Wayne, IN 46825, USA 260.484.2580 // www.pyromation.com