



Ordering Information		Thermobuffer Temperature Sensor		List Price	Your Order															
BA/																				
Sensor Type	Use the designator number (shown to the left in bold) to indicate the sensor																			
#	<p>THERMISTORS</p> <p>1.8K 1.8K Ω @ 25 °C 3K 3K Ω @ 25 °C 3.3K 3.3K Ω @ 25 °C 10K-2 10K Ω @ 25 °C 10K-3 10K Ω @ 25 °C 10K-3[11K] 5,238 Ω @ 25 °C 20K 20K Ω @ 25 °C 50K 50K Ω @ 25 °C 100K 100K Ω @ 25 °C</p> <p>RTDs</p> <p>100 100 Ω Platinum @ 0 °C, .385 Ω/°C temp. coeff. 100[3W] 3 Wire 100 Ω Plat. @ 0 °C, .385 Ω/°C temp. coeff. 1K[375] 1K Ω Platinum @ 0 °C, 3.75 Ω/°C temp. coeff. 1K[Ni] 1K Ω Nickel @ 21°C, 5 Ω/°C temp. coeff. 1K 1K Ω Platinum @ 0 °C, 3.85 Ω/°C temp. coeff. 2K 2K Ω Silicon @ 20 °C, 8 Ω/°C temp. coeff.</p> <p>SEMICONDUCTORS</p> <p>334 LM334 Semiconductor 592 AD592 Semiconductor, 273 μA @ 0 °C 592-10K AD592 Semicond. w/ 10 kΩ shunt resistor, 2.73 V @ 0 °C</p> <p>TEMPERATURE TRANSMITTERS <i>Must include a "range" figure</i></p> <p>T100[range] 100 Platinum RTD, 100 Ω @ 0 °C with 4 to 20 mA Output T100M[range] 100 Platinum RTD, 100 Ω @ 0 °C with MATCHED* 4 to 20 mA Output T1K[range] 1K Platinum RTD, 1,000 Ω @ 0 °C with 4 to 20 mA Output T1KM[range] 1K Platinum RTD, 1,000 Ω @ 0 °C with MATCHED* 4 to 20 mA Output T10K[range] 10K Thermistor, 10,000 Ω @ 25 °C with 4 to 20 mA Output</p> <p>TEMPERATURE TRANSMITTER RANGES</p> <p>Custom temperature transmitter ranges are available. Common ranges are listed below</p> <table border="0"> <tr> <td>30 TO 81F</td> <td>-1 TO 27C</td> <td>32 TO 212F</td> <td>0 TO 100C</td> </tr> <tr> <td>0 TO 100F</td> <td>-18 TO 38C</td> <td>40 TO 240F</td> <td>4 TO 116C</td> </tr> <tr> <td>20 TO 120F</td> <td>-7 TO 48C</td> <td>50 TO 250F</td> <td>10 TO 121C</td> </tr> <tr> <td>32 TO 134F</td> <td>0 TO 57C</td> <td></td> <td></td> </tr> </table>	30 TO 81F	-1 TO 27C	32 TO 212F	0 TO 100C	0 TO 100F	-18 TO 38C	40 TO 240F	4 TO 116C	20 TO 120F	-7 TO 48C	50 TO 250F	10 TO 121C	32 TO 134F	0 TO 57C				<p>Thermistors \$18 Each</p> <p>RTD's \$25 Each or \$53 for 1K[Ni]</p> <p>Semi-conductors \$25 Each</p> <p>Temperature Transmitters \$100 for T100, T1K & T10K</p> <p>\$170 for T100M & T1KM</p>	<p>\$ _____</p> <p>\$ _____</p> <p>\$ _____</p> <p>\$ _____</p> <p>\$ _____</p> <p>\$ _____</p> <p>\$ _____</p>
30 TO 81F	-1 TO 27C	32 TO 212F	0 TO 100C																	
0 TO 100F	-18 TO 38C	40 TO 240F	4 TO 116C																	
20 TO 120F	-7 TO 48C	50 TO 250F	10 TO 121C																	
32 TO 134F	0 TO 57C																			
Probe Length and Material																				
	-TB-M304-2"-BB	2" length, 304 Stainless Steel Probe in a BAPI-Box Enclosure		\$204	\$ _____															
	-TB-M304-4"-BB	4" length, 304 Stainless Steel Probe in a BAPI-Box Enclosure		\$204	\$ _____															
	-TB-MAL-2"-BB	2" length, Machined Aluminum Probe in a BAPI-Box Enclosure		\$144	\$ _____															
	-TB-MAL-4"-BB	4" length, Machined Aluminum Probe in a BAPI-Box Enclosure		\$144	\$ _____															
EXAMPLE																				
BA/	10K-2	-TB-M304-2"-BB		Total =	\$ _____															
Part Number: BA/10K-2-TB-M304-2"-BB																				
Your Part Number:																				

Call BAPI if you have questions about the above ordering grid or the configuration of the product you are ordering.



**Thermobuffer
temperature
sensor**

Example Part Numbers & Pricing for Replacement Probes

EXAMPLE PART NUMBERS FOR THERMISTORS

	<u>DESCRIPTION</u>	<u>LIST PRICE</u>
BA/1.8K-TB-M304-2"-BB	Thermobuffer with 2" Stainless Steel Probe	\$222 (\$18 thermistor+\$204 Probe)
BA/1.8K-TB-MAL-2"-BB	Thermobuffer with 2" Machined Aluminum Probe	\$162 (\$18 thermistor+\$144 Probe)

EXAMPLE PART NUMBERS FOR RTDS

	<u>DESCRIPTION</u>	<u>LIST PRICE</u>
BA/100-TB-M304-2"-BB	Thermobuffer with 2" Stainless Steel Probe	\$229 (\$25 RTD+\$204 Probe)
BA/100-TB-MAL-2"-BB	Thermobuffer with 2" Machined Aluminum Probe	\$169 (\$25 RTD+\$144 Probe)

EXAMPLE PART NUMBERS FOR SEMICONDUCTORS

	<u>DESCRIPTION</u>	<u>LIST PRICE</u>
BA/334-TB-M304-2"-BB	Thermobuffer with 2" Stainless Steel Probe	\$229 (\$25 Semi.+\$204 Probe)
BA/334-TB-MAL-2"-BB	Thermobuffer with 2" Machined Aluminum Probe	\$169 (\$25 Semi.+\$144 Probe)

EXAMPLE PART NUMBERS FOR TEMP. TRANSMITTER

	<u>DESCRIPTION</u>	<u>LIST PRICE</u>
BA/T100[0 TO 100]-TB-M304-2"-BB	Thermobuffer with 2" Stainless Steel Probe	\$304 (\$100 Transmitter+\$204 Probe)
BA/T100[0 TO 100]-TB-MAL-2"-BB	Thermobuffer with 2" Machined Aluminum Probe	\$244 (\$100 Transmitter+\$144 Probe)

Note: Higher accuracy thermistors (± 0.1 °C versus the standard ± 0.2 °C throughout the temperature range of 0 to 70 °C) are available for an additional charge. Please call BAPI for availability and price of the precision line of thermistors. Specify the higher accuracy thermistor in the part number by adding [XP] after the thermistor number. Example: BA/1.8K[XP]-TB-M304-2"-BB

Note: Higher accuracy RTDs are available for an additional charge. The Class A line has an interchangeability tolerance of ± 0.15 °C at 0 °C rather than the standard ± 3 °C at 0 °C. Please call BAPI for availability and price of the precision line of RTDs. Specify the higher accuracy RTD in the part number by adding [A] after the RTD number. Example: BA/100[A]-TB-M304-2"-BB