

Pyromation insertion probes with formed pistol grip handles, are used to measure internal temperature of meat, fish, poultry, and other food products, both fresh and slightly frozen varieties. Other uses include penetration of soft process materials such as rubber and plastic compounds. The materials of construction are all FDA compliant for use in sanitary applications. The sheath tips are made of full hard-drawn 304SS hypodermic tubing with a sharp needle-point insertion tip. Handles are constructed of formed stainless steel tubing and are available in three size and strength configurations to match the process duty requirements. All leads are epoxy sealed.

FIGURE 1

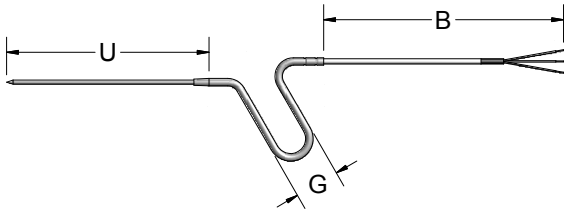
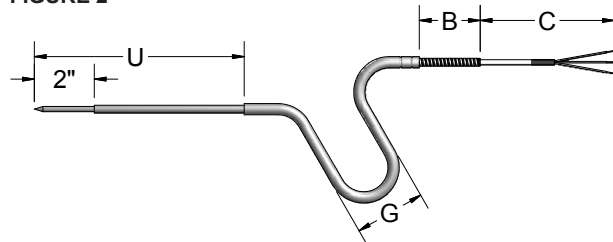


FIGURE 2



### ORDER CODES

**Example Thermocouple Order Number:** **JPGM2G** - **06** - **M3036** - **4**

**Example RTD Order Number:** **RBF185PGM3** - **06** - **M3120** - **2**

#### 1 Penetration Thermocouple

CODE	TIP DIA. (inches)	GRIP "G" DIM. (inches)	GRIP DIA. (inches)
<b>LIGHT-DUTY HANDLE - FIGURE 1</b>			
JPGL2G	0.134	1 1/4	1/4
<b>MEDIUM-DUTY HANDLE - FIGURE 2</b>			
JPGM2G	0.134	2 3/8	5/16
JPGM3G	0.180	2 3/8	5/16
<b>HEAVY-DUTY HANDLE - FIGURE 2</b>			
JPGH3G	0.180	2 3/8	3/8
<b>DUPLEX - FIGURE 2</b>			
JJPGH3G	0.180	2 3/8	3/8

To specify other calibrations, change first digit to K or T.  
To specify ungrounded junction, change last digit from G to U.

#### 2 Immersion "U" Length

**DESCRIPTION**  
Specify "U" dimension in inches using 2 digits, plus any fractional lengths. Examples: 02 = 2", 02(1/2) = 2.5". 12" maximum insertion length.

#### 4 Terminations

CODE	DESCRIPTION
2	2" split leads 1/4" stripped
3	2" split leads with spade lugs
4	Standard plug
6	Miniature plug
<b>Options</b>	
RB	Rubber boot (2 pin plugs only)
MC	Mating connector
CG	Cord grip (1/2" NPT PVC)

#### 3 Extension Leadwire

CODE	DESCRIPTION	TEMP RATING
T3___ <sup>[1]</sup>	Teflon® Insulation - Stranded Conductor	204 °C [400 °F]
T3T___ <sup>[1]</sup>	Teflon® Insulation - Stranded Conductor - Flexible Armor	204 °C [400 °F]
T3T___ <sup>[1]</sup>	Teflon® Insulation - Stranded Conductor - Flexible Armor - Teflon®-Coated	204 °C [400 °F]
T3P___ <sup>[1]</sup>	Teflon® Insulation - Stranded Conductor - Flexible Armor - PVC-Coated	105 °C [221 °F]
M3___ <sup>[1][2]</sup>	Teflon® Insulation - Stranded Conductor - Stainless Steel Overbraid - Teflon® Insulation	204 °C [400 °F]
S3___ <sup>[1][3]</sup>	Teflon® Insulation - Stranded Conductor - Silicon Rubber Jacket	204 °C [400 °F]

[1] Insert 3 digit "B" dimension in inches.  
[2] Not available with Type K.  
[3] Only available in single 3-wire RTD.

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#### 1 Penetration Style 3-Wire RTDs Pt100 ( $\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$ )

CODE	TOLERANCE <sup>[1]</sup>	TIP DIA. (inches)	GRIP 'G' DIM (inches)	GRIP DIA. (inches)
<b>LIGHT-DUTY HANDLE - FIGURE 1</b>				
RBF185PGL2	Class B	0.134	1 1/4	1/4
<b>MEDIUM-DUTY HANDLE - FIGURE 2</b>				
RBF185PGM2	Class B	0.134	2 3/8	5/16
RBF185PGM3	Class B	0.180	2 3/8	5/16
<b>HEAVY-DUTY HANDLE - FIGURE 2</b>				
RBF185PGH3	Class B	0.180	2 3/8	3/8
<b>DUPLEX - FIGURE 2</b>				
RBF285PGH3	Class B	0.180	2 3/8	3/8

Consult factory for other accuracies and types.

[1] Refer to RTD tolerance information in the General Information section for calculations to determine specific tolerance at temperature.