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The insertion type of RTD probes with formed pistol grip handles shown below, 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 formed stainless steel tubing and are available in three size and strength configurations to match the process duty requirements, and all leads are epoxy sealed.

FIGURE 1

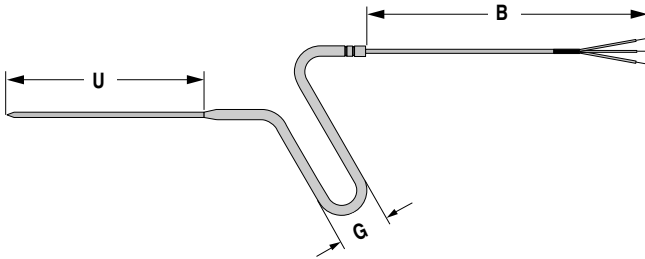
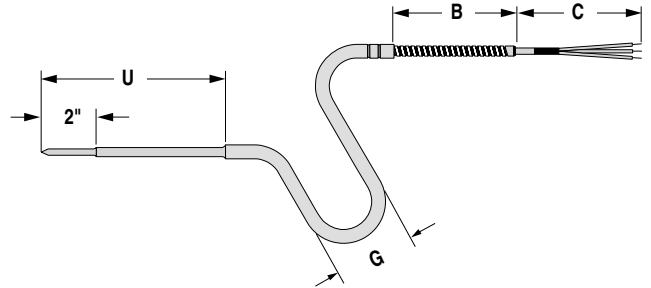


FIGURE 2



STANDARD ASSEMBLY SPECIFICATIONS			
Element:	100 ohm Platinum / ± .12% @ 0°C	Temp. Range:	-40 to 400°F (-40 to 204°C)
Temp. Coefficient:	.00385 ohms / ohm / 0°C	Leadwire:	Stranded Silver Plated Copper Conductors, Teflon Insulated

Example Order Number:

1 **RBF185PGM2** - **1-2** **06** - **2** **M3120** - **3** **2**

RTD SENSOR STYLE					
ORDER CODE	TEMP. COEF.	TIP DIA	INSERT 'U'	GRIP 'G'	GRIP DIA
FIGURE 1 - LIGHT DUTY HANDLE					
RBF185PGL2	.00385	.134" OD	6"	1(1/4)"	1/4"
FIGURE 2 - MEDIUM DUTY HANDLE					
RBF185PGM2	.00385	.134" OD	6"	2(3/8)"	5/16"
RBF185PGM3	.00385	.180" OD	6"	2(3/8)"	5/16"
FIGURE 2 - HEAVY DUTY HANDLE					
SINGLE ELEMENT					
RBF185PGH3	.00385	.180" OD	6"	2(3/8)"	3/8"
DUPLEX ELEMENT					
RBF285PGH3	.00385	.180" OD	6"	2(3/8)"	3/8"

Consult factory for RTD probes with higher accuracies or other insertion lengths-12" max. Consult factory for longer lengths

TERMINATIONS	
ORDER CODE	DESCRIPTION
2	Leads stripped 2" tinned 1/2"
3	Leads stripped 2" w/spade lugs
4	Standard male RTD plug (350°F max)
6	Miniature male RTD plug (350°F max)

EXTENSION LEADWIRE							
ORDER CODES *			WIRE GA.		INSULATION		
FIG. 1 LGT. DUTY	FIG. 2 MED. DUTY	FIG. 2 HEAVY DUTY	SGL	DUP	EA. COND.	OVERALL JACKET	ARMOR
M3_ _ _	M3_ _ _		24	N/A	Teflon	Teflon SS OB, Teflon	None
	S3_ _ _		24	N/A	Teflon	Silicone Rubber	None
		T3T_ _ _	24	28	Teflon	Teflon	Extr. Teflon

* Insert 3 digit 'B' dimension in inches - consult factory for other leadwire