

SPECIAL PURPOSE

RUBBER COMPOUND MIXER TEMPERATURE SENSORS

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The below illustrated temperature sensors are those most commonly used in the mixing of rubber compounds and other abrasive substances. These mixers are generically referred to as **Banbury Mixers**, and may use either a thermocouple or a RTD to measure the compound temperature. All standard sensors are individually tested to meet or surpass the Industry Time Response Test Standard. Thermocouple sensors are supplied with grounded hot junctions as standard. RTD sensors are supplied with 3 wire 100 ohm platinum elements, with a .00385°C/°C temperature coefficient, and with a ± .12% accuracy at 0° C. Sensors may be ordered with a choice of either a hard-chrome plated tip, or with a XH-5 coated tip that provides greater abrasion and wear resistance.

FIGURE 5

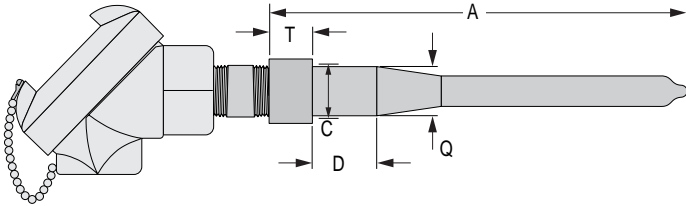
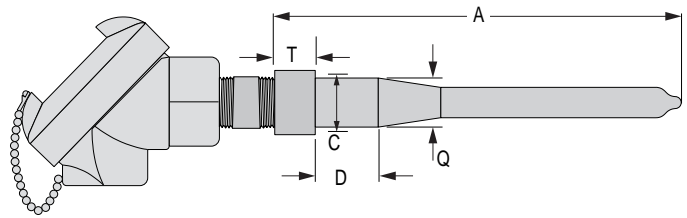


FIGURE 6



Units supplied with 3/16" wide keyway. Abrasion resistant tips are .625" OD x 2(1/2)" long.

EXAMPLE ORDER NUMBER:

J050G - **CM** - **70** - **10**

1

MEASURING ELEMENT		
ORDER CODE		ELEMENT TYPE
SINGLE	DUPLEX	
J050G	JJ050G	Type J thermocouple
RBF050	RBF2050	100 ohm platinum RTD

To order other thermocouple types replace 'J' in the above order code with desired thermocouple type (K, T, E)

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TERMINATION OPTIONS	
ORDER CODE	DESCRIPTION
10	Aluminum screw cover head
1006	Supplied with 6" leads without head or nipple
1036	Supplied with 36" leads without head or nipple

2

MOUNTING CONFIGURATION			
ORDER CODE		MOUNTING CONFIGURATION	FIG. NO.
HARD CHROME PLATED TIP	XH - 5 COATED TIP		
70	72	Well style w/ Keyway	5
80	82	Well style w/ Keyway	6

CRITICAL SENSOR DIMENSIONS							
MOUNTING CONFIG. CODE	FIG. NO.	DIMENSIONS IN INCHES					
		A	T	C	D	Q	NPT
70 or 72	5	8 (1/2)	7/8	1 (5/16)	1 (5/16)	1.0	1/2
80 or 82	6	15 (3/4)	1	1 (5/16)	1 (1/2)	1.0	3/4