

# Industrial Thermocouple Assemblies

## HOW TO ORDER " THERMOCOUPLE" COMPLETE ASSEMBLIES

<b>1</b>	<b>TERMINAL HEAD ASSY.</b>	<b>2</b>	<b>SENSOR TYPE &amp; MOUNTING</b>	<b>3</b>	<b>THERMOWELL</b>	<b>4</b>	<b>OPTIONS AS APPLY</b>
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### **1** TERMINAL HEAD ASSY.

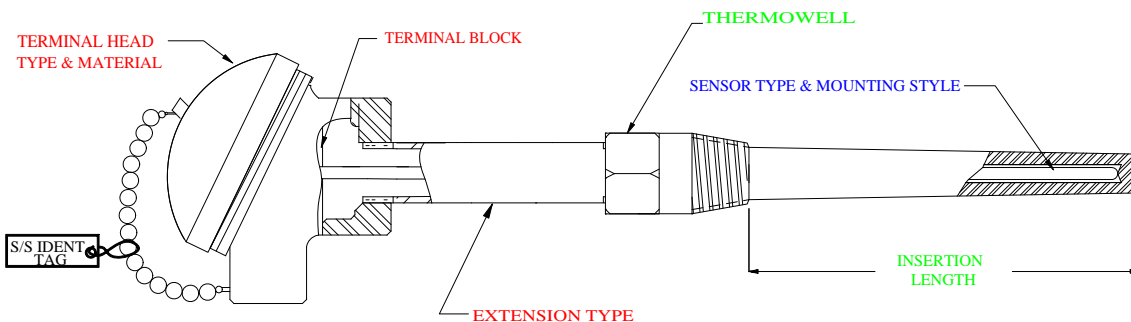
TERMINAL HEAD CONFIGURATIONS DEPEND ON THE LOCAL ENVIRONMENT OF THE INSTALLATION AS WELL AS THE TYPE OF SENSOR USED. THE EXTENSION TYPE AND STYLE WILL DEPEND ON INSULATION THICKNESS, OBSTRUCTIONS, AND MAINTENANCE REQUIREMENTS. THE AVAILABLE SENSOR AND CONDUIT CONNECTION SIZES ARE FOR EASY ADAPTATION INTO EXISTING SYSTEMS AND CONSISTANCY IN NEW SYSTEMS.

### **2** SENSOR TYPE & MOUNTING

SENSOR TYPES CONSIST OF SHEATHED THERMOCOUPLES, BEADED THERMOCOUPLES, AND RESISTANCE TEMPERATURE DETECTORS ( RTD'S ). MOUNTING STYLES WILL VARY FROM SPRING LOADED UNITS, TO MAINTAIN CONTACT WITH THE THERMOWELL, TO RIGID MOUNTING THAT IS WELDED TO THE MOUNT. THE SENSOR TYPES CAN ALSO INCLUDE SINGLE, DUAL, OR TRIPLEX SENSORS IN ONE UNIT.

### **3** THERMOWELL

THERMOWELLS ARE USED TO PROTECT THE SENSOR ASSEMBLY WHEN INSTALLED IN HOSTILE OPERATING ENVIRONMENTS, SUCH AS STEAM PIPING, REFINING PROCESSES, AND MANY DIFFERENT TYPES OF CORROSIVE OR DAMAGING HOSTS. THERMOWELLS ARE AVAILABLE IN A WIDE VARIETY OF MOUNTING STYLES, CONFIGURATIONS, AND MATERIALS. PLEASE SEE TEMTEX CATALOG " TC " FOR A COMPLETE SELECTION.



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