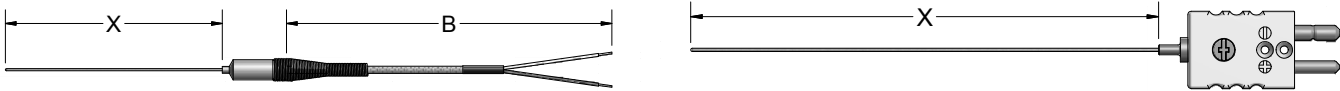


Miniature thermocouple assemblies have very small swaged sheath diameters containing standard-purity MgO (96%) insulated thermocouple elements. The small sheath size provides accurate and fast response time temperature measurement in a variety of laboratory, process, and special applications. These units are only offered with ungrounded junctions to prolong their useful life. Illustrated below are the most commonly used assemblies, however, other sensor configurations are available upon request.



## ORDER CODES

**Example Order Number:**

1-1 1-2 1-3 1-4 2 3 4 5  
**J 040 8 U - 012 - 00 - 16 - PAGE MGO-7 - PAGE MGO-7**

### 1-1 Thermocouple Types

#### CODE

J

K

### 1-2 Sheath Diameter

#### CODE DIAMETER (INCHES)

032 0.032

040 0.040

### 1-3 Sheath Material

#### CODE MATERIAL

3 Alloy 600

8 316 Stainless steel

### 1-4 Measuring Junction

#### CODE MATERIAL

U Ungrounded junction

M Special limits  
(consult factory)

### 2 "X" Dimension

Insert three digit sheath length  
("X" Dimension) in inches

### 3 Sheath Terminations

#### CODE DESCRIPTION

4 Standard plug

5 Standard jack

6 Miniature plug

7 Miniature jack

#### Options

MC Mating connector

#### Leadwire Transitions

15 Extension leadwire transition fitting with relief spring  
204 °C [400 °F]16 Extension leadwire transition fitting with heat-shrink  
tubing 104 °C [220 °F]19 Extension leadwire transition ftg. w/o relief spring or  
heat-shrink tubing 204 °C [400 °F]

#### Options

HT<sup>[1]</sup> High Temperature Potting 538 °C [1000 °F]

[1] Not available with option 16. When specifying flex armor,  
Option 19 must be selected.