MI Cable Thermocouple Assemblies

### Thermocouples with Transmitter and Connection Head

#### Design Features
- **4-20mA Programmable Linear Output Transmitter**
- **Available with Spring-Loaded Sheath**
- **For field programming of the temperature transmitter see Part Number EMT90006 on page 12-45**
- **Transmitter Accuracy of +/-0.2% of temperature span**
- **1/2" NPT Process Connection**

#### Power Supply
- "Dia."
- 1/2"–14 NPT SS Hex Nipple
- Shown with Standard Die Cast Aluminum Head

#### Transmitter
- **Ambient Temperature Range:** -40° to +185°F (-40° to +85°C)
- Refer to page 12-44 for complete details.

#### Ordering Information
Thermocouples are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

#### Ordering Code:

<table>
<thead>
<tr>
<th>Box</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Calibration Code</td>
</tr>
<tr>
<td>2</td>
<td>Insulation</td>
</tr>
<tr>
<td>3</td>
<td>Sheath Material</td>
</tr>
<tr>
<td>4</td>
<td>Sheath O.D.</td>
</tr>
<tr>
<td>5</td>
<td>Sheath Length “L”</td>
</tr>
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<td>6</td>
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</tr>
<tr>
<td>7</td>
<td>Junction Type</td>
</tr>
<tr>
<td>8</td>
<td>Transmitter Type</td>
</tr>
<tr>
<td>9</td>
<td>Connection Head</td>
</tr>
<tr>
<td>10</td>
<td>Spring-Loaded Probe</td>
</tr>
<tr>
<td>11</td>
<td>Special Requirements</td>
</tr>
</tbody>
</table>

#### Calibration Code
- **box 1**
- **ANSI Standard**
  - J = Standard
  - K = Medium
  - E = Low
  - T = Ultra-Low
- **Special Tolerances**
  - 3 = 0.25% of reading
  - 4 = 0.5% of reading
  - 5 = 1% of reading
  - 6 = 2% of reading

#### Insulation
- **box 2**
- **M** = 96% min. MgO (Standard)
- **H** = 99.4% min. MgO

#### Sheath Material
- **box 3**
- **A** = Alloy 600
- **B** = 304 SS
- **C** = 316 SS

#### Sheath O.D.
- **box 4**
- **F** = .125"
- **H** = .250"

#### Sheath Length “L”
- **box 5**
- **Whole inches**
  - 01 to 99
- **For lengths over 99 in. consult TEMPCO.**

#### Junction Type
- **box 7**
- **G** = Grounded
- **U** = Ungrounded
- **E** = Exposed

#### Transmitter Type
- **box 8** (Enter Code Below)
- **Temperature low range**
- **Temperature high range**
- **Unit °F °C**

#### Connection Head
- **box 9**
- **A** = Standard Aluminum
- **B** = Medium Size Aluminum
- **C** = Standard Cast Iron
- **D** = Polypropylene Head
- **S** = Stainless Steel
- **L** = Aluminum Head with LCD Indicator (EMT10001)
- **M** = Heavy Duty Aluminum Head with LCD Indicator (EMT20001)

#### Note:
Conduit connection for A, H & S is 1/2", for B is 3/8" NPT, for P is 3/4" NPT. For overall dimensions see pages 14-98 through 14-100.

#### Spring-Loaded Probe
- **box 10**
- **Y** = Spring-Loaded
- **0** = Not Required

#### Special Requirements
- **box 11**
- **X** = Specify
- **0** = None

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**WARNING:** Cancer and Reproductive Harm • [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)