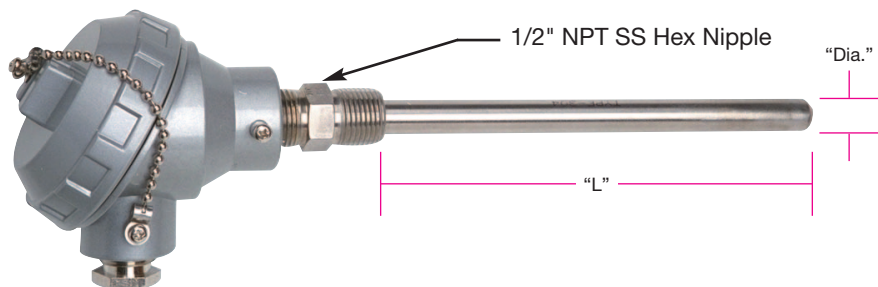


### Style MTA6 (Custom Engineered/Manufactured)



#### Design Features

- \* 1/2" NPT Stainless Steel Process Connection.
- \* Tempco's connection heads are gasketed to seal against moisture, dust and corrosive or hostile atmospheres.
- \* Screw covers are attached to body with a plated chain.
- \* Covers have lugs for tightening or loosening with a screwdriver or wrench.
- \* Available in single (2-wire) or duplex (4-wire).
- \* Tempco's connection heads are available in die cast aluminum, Bakelite and cast iron in a variety of sizes from miniature for confined areas to the large universal head designed for heavy process and industrial applications. See sensor accessories on pages 14-98 through 14-100 for complete information.

#### 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:** **MTA6** -

#### Calibration Code BOX 1

ANSI Standard **J K E T N R S B**  
 Tolerances  
 Special Tolerances **3 4 5 6 7**

#### Sheath Length "L" BOX 6

Whole inches  
**01 to 99**  
 For lengths over 99 in. consult TEMPCO.

#### Sheath Length "L" BOX 7

Fractional inches  
**0** = 0"    **2** = 1/4"    **4** = 1/2"    **6** = 3/4"  
**1** = 1/8"    **3** = 3/8"    **5** = 5/8"    **7** = 7/8"

#### Number of Conductors BOX 2

**2** = Single (Standard)  
**4** = Duplex

#### Junction BOX 8

|                | Grounded | Ungrounded | Exposed  |
|----------------|----------|------------|----------|
| Single         | <b>G</b> | <b>U</b>   | <b>E</b> |
| Dual, common   | <b>4</b> | <b>5</b>   | <b>6</b> |
| Dual, isolated | <b>-</b> | <b>7</b>   | <b>8</b> |

#### Insulation BOX 3

**M** = 96% min. MgO (Standard)  
**H** = 99.4% min. MgO

#### Connection Head BOX 9

**A** = Standard Size Aluminum    **P** = Polypropylene (FDA Approved)  
**B** = Medium Size Aluminum    **S** = Stainless Steel  
**C** = Miniature Aluminum    **E** = Explosion Proof (Aluminum)  
**H** = Standard Cast Iron    **T** = Explosion Proof (Stainless Steel)  
**F** = Standard Bakelite

*Note:* Conduit connection for A, F, H & S is 1/2" (3/4" is available); for B & C is 3/8"; and for P is 3/4" NPT. For overall dimensions see pages 14-98 through 14-100.

#### Sheath Material BOX 4

**A** = Alloy 600  
**B** = 304 SS  
**C** = 316 SS

#### Spring-Loaded Probe BOX 10

**O** = Not required  
**Y** = Required

#### Sheath O.D. BOX 5

**D** = .063" ±.001    **P** = 2.0 mm ±.03  
**F** = .125" ±.002    **Q** = 3.0 mm ±.03  
**G** = .188" ±.002    **R** = 4.5 mm ±.05  
**H** = .250" +.003/-.002    **S** = 6.0 mm +.07/-.05  
**J** = .313" +.003/-.002  
**K** = .375" +.003/-.002

#### Special Requirements BOX 11

**X** = Specify  
**0** = None

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