

Thermocouple Assemblies Straight Type with Pipe-Extended Protecting Tube

Model Selection Guide

Instructions

- Select the Key Number desired. The arrow to the right marks the selections available.
- Make one selection each from Tables I through IV using the column below the proper arrow. Select Table V Options if desired.
- A dot denotes unrestricted availability. A letter denotes restricted availability. Restrictions follow Table V.
- A complete Model Number must have the designated number of digits in each table.

Key Numbers I II III IV V (Optional)
 003A30 M18 1 A 18 B6 Example

| KEY NUMBER | | Selection | Availability | | | |
|------------------|-----------|-----------|--------------|---|---|---|
| Calibration Type | Wire Size | | | | | |
| J | 8 gage | 003A30 | ↓ | | | |
| | 14 gage | 003B30 | | ↓ | | |
| K | 8 gage | 005A30 | | | ↓ | |
| | 14 gage | 005B30 | | | | ↓ |

TABLE I - LENGTH AND MATERIAL

| Maximum Temperature | | Tube Material | Tube Diameter | | Maximum Length | | | | | |
|---------------------|------|------------------------|---------------------|-------|----------------|------|------|---|---|---|
| °F | °C | | In. | mm | In. | cm | | | | |
| 1100 | 593 | | Stainless Steel 304 | 0.540 | 13,7 | 54 | | | | |
| | | Resistat (28% Cr) | 0.750 | 19,0 | 24 | 0,61 | P __ | • | | |
| | | Sillramic | 0.687 | 17,5 | 48 | 1,2 | R __ | • | | |
| 1400 | 760 | Inconel | 0.840 | 21,3 | 54 | 1,37 | M __ | • | | |
| | | Resistat (28% Cr) | 1.000 | 25,4 | 30 | 0,76 | P __ | • | | |
| 1800 | 982 | Sillramic | 0.687 | 17,5 | 48 | 1,2 | R __ | | | • |
| | | Resistat (28% Cr) | 1.000 | 25,4 | 30 | 0,76 | P __ | | • | |
| | | Resistat (28% Cr) | 0.750 | 19,0 | 24 | 0,61 | P __ | | | • |
| | | Stainless Steel 304 | 0.540 | 13,7 | 54 | 1,37 | S __ | | | • |
| 2000 | 1093 | Cast T (15% Cr-35% Ni) | 1.05 | 26,7 | 54 | 1,37 | E __ | | | • |
| 2200 | 1204 | Inconel | 0.840 | 21,3 | 54 | 1,37 | M __ | | | • |

↑

Fill in blank with tube length in 6" (152 mm) increments.
 Minimum 12" (305 mm) - maximum from Table I.

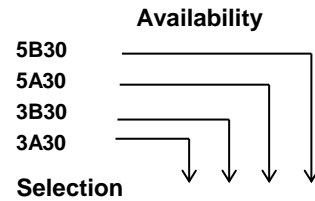


TABLE II - ELEMENT AND HEAD

| Elements | Head Type | Conduit Outlet Size - Inches | | | | |
|----------|-----------|------------------------------|---|---|---|---|
| Single | Screw | 1/2 NPT | 3 | • | • | • |
| | | 3/4 NPT | 4 | • | • | • |

TABLE III - MOUNTING

| | | | | | | | |
|-------------------|--------------------|-----------|---|---|---|---|---|
| No Selection | | | 0 | • | • | • | • |
| Adjustable Flange | On Protecting Tube | | A | • | d | • | d |
| | On Extension | | B | • | • | • | • |
| Threaded Coupling | | 1-1/4 NPT | K | • | • | • | • |
| | | 1-1/2 NPT | M | • | • | • | • |

TABLE IV - EXTENSION

| | Minimum Length | Maximum Length | | | | |
|---------------|----------------|----------------|----|---|---|---|
| 1/2 Inch Pipe | 6" (152 mm) | 48" (1219 mm) | -- | • | • | • |

↑
 Fill in blank with length of extension in 6" (152 mm) increments. Sum of extension length and protecting tube length from Table I not to exceed 60" (1524 mm)

TABLE V - OPTIONS

| | | | | | | |
|--------------------|--|----|---|---|---|---|
| Premium Grade Wire | | B6 | • | • | • | • |
|--------------------|--|----|---|---|---|---|

RESTRICTIONS

| Restriction Letter | Table | Available Only With Selection | Table | Not Available With Selection |
|--------------------|-------|-------------------------------|-------|------------------------------|
| | d | | | I |