

Thermocouple Assemblies High Speed-Pipe Extended for Pressure Type Wells

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 and III 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

 - - -
 001D37 - A24 - 1 - WA008

Example

KEY NUMBER

| Maximum Temperature | | Calibration Type | Wire Gage | Well I.D. In. | Selection | Availability |
|---------------------|------|------------------|-----------|---------------|-----------|--------------|
| °C | °F | | | | | |
| 260 | 500 | T | 20 | .260 | 001D37 | ↓ |
| 482 | 900 | J | 20 | .260 | 003D37 | ↓ |
| 593 | 1100 | J | 14 | .385 | 003B37 | ↓ |
| 649 | 1200 | K | 20 | .260 | 005D37 | ↓ |
| 649 | 1200 | K | 14 | .385 | 005B37 | ↓ |

TABLE I - ELEMENT

| | | | |
|---------------------|----------------|-----------|---|
| Standard Grade Wire | Single Element | A _ _ _ _ | • |
| | Double Element | F _ _ _ _ | • |
| Premium Grade Wire | Single Element | B _ _ _ _ | • |



Replace blank with the Element Length. Element Length = Well Insertion Length plus Well Lag Length plus Length of Pipe Extension plus 1-1/2" (38 mm). Element lengths in 1/2" (12,7 mm) increments (examples 06.0, 0.65.5 through 36.0).

- Additional Price from Table A4.

TABLE II - HEAD

| Head Type | Conduit Outlet Size - Inches | | |
|-----------------|------------------------------|---|---|
| None | | 0 | • |
| General Purpose | 1/2 NPT | 1 | g |
| Screw Cover | 1/2 NPT | 3 | g |
| | 3/4 NPT | 4 | g |
| | 3/4 NPT | 2 | d |

Availability

| | |
|--------|-------|
| 001D37 | _____ |
| 003D37 | _____ |
| 003B37 | _____ |
| 005D37 | _____ |
| 005B37 | _____ |

Selection



TABLE III - EXTENSION

| | | | | |
|-----------------|--------------------------|-----------|-------|---|
| 0.840 Inch O.D. | Without Union Connection | | W __ | • |
| Steel Extension | With Union Connection | | WA __ | • |
| Screw Cover | Inches | mm | | |
| | 3.5 | 89 | _ 101 | • |
| | 4 | 102 | _ 004 | • |
| | 6 | 152 | _ 006 | • |
| | 8 | 203 | _ 008 | • |
| | 10 | 254 | _ 010 | • |

RESTRICTIONS

| Restriction | | Available Only With | | Not Available With |
|-------------|-------|---------------------|-------|--------------------|
| Letter | Table | Selection | Table | Selection |
| d | | | I | B __, A __ |
| g | | | I | F __ |

Price Table A4 - Prices per Length of Element - U.S. \$

| Key Number | No. of Elements | Initial 12" (305 mm) Length | Each Additional 6" (152 mm) Length |
|------------|------------------|-----------------------------|------------------------------------|
| 001D37 | Single Duplex | | |
| 003D37 | Single Duplex | | |
| 003B37 | Single Duplex | | |
| 005B37 | Single Duplex | | |
| 005D37 | Single Duplex | | |

Wells for 14 Gage Thermocouples (used with 3B37-5B37)

| Part Number | Construction | Mounting Thread | I.D. | O.D. | Hex Size | Stamped Identification | |
|-------------|--------------|-----------------|-------|-------|----------|------------------------|------------|
| | | | | | | Without Lag | With Lag |
| 30354144 | Straight | 3/4" | .385" | .766" | 1.125" | .75"-385S | .75"-385L |
| 30354139 | Straight | 1" | .385" | .766" | 1.375" | 1"-385S | 1"-385L |
| 30354154 | Straight | 1-1/4" | .385" | .766" | 1.750" | 1.25"-385S | 1.25"-385L |
| 30354147 | Tapered | 1" | .385" | .766" | 1.375" | 1"-385H | 1"-385HL |

Prices (for 304 S.S. Material)

| Part Number | Insertion Length in. (mm) | | | | | Add for Lag | |
|-------------|---------------------------|----------|------------|----------|----------|-------------|---------|
| | 2-1/2" | 4-1/2" | 7-1/2" | 10-1/2" | 13-1/2" | 2" | 3" |
| | (63,5 mm) | (114 mm) | (190,5 mm) | (267 mm) | (343 mm) | (51 mm) | (76 mm) |
| 30354144 | | | | | | | |
| 30354139 | | | | | | | |
| 30354154 | | | | | | | |
| 30354147 | | | | | | | |

| Material | Specify | Multiplying Factor | |
|----------|---------|--------------------|---|
| Steel | 48 | 0.8 | For other materials, Contact Fort Washington |
| 304 S.S. | 13 | 1.0 | |
| 316 S.S. | 15 | 1.3 | |

To order, Specify: Part Number - Lag - Insertion - Material

* Plug and chain, add ** each

Wells for 20 Gage Thermocouples (used with 1D37, 3D37-5D37)

| Part Number | Construction | Mounting Thread | I.D. | O.D. | Hex Size | Stamped Identification | |
|-------------|--------------|-----------------|-------|-------|----------|------------------------|------------|
| | | | | | | Without Lag | With Lag |
| 30354145 | Straight | 3/4" | .260" | .500" | 1.125" | .75"-260S | .75"-260L |
| 30354141 | Straight | 1" | .260" | .500" | 1.375" | 1"-260S | 1"-260L |
| 30354149 | Tapered | 3/4" | .260" | .625" | 1.125" | .75"-260H | .75"-260HL |
| 30354148 | Tapered | 1" | .260" | .625" | 1.375" | 1"-260H | 1"-260HL |

Prices (for 304 S.S. Material)

| Part Number | Insertion Length | | | | | Add for Lag | |
|-------------|------------------|----------|------------|----------|----------|-------------|---------|
| | 2-1/2" | 4-1/2" | 7-1/2" | 10-1/2" | 13-1/2" | 2" | 3" |
| | (63,5 mm) | (114 mm) | (190,5 mm) | (267 mm) | (343 mm) | (51 mm) | (76 mm) |
| 30354145 | | | | | | | |
| 30354141 | | | | | | | |
| 30354149 | | | | | | | |
| 30354148 | | | | | | | |

| Material | Specify | Multiplying Factor | |
|----------|---------|--------------------|---|
| Steel | 48 | 0.8 | For other materials, Contact Fort Washington |
| 304 S.S. | 13 | 1.0 | |
| 316 S.S. | 15 | 1.3 | |

To order, Specify: Part Number - Lag - Insertion - Material