

# Varidepth T/C, Armor

## Varidepth® Adjustable Depth Immersion Thermocouple in Armor Clad Flexible Tube

### Introduction

The Varidepth thermocouple adjusts to many depths eliminating the need to stock a variety of fixed immersion sensors. Compression of the flexible tube provides locking force that keeps the probe tip tight against the well bottom. Varidepth thermocouples are available in Types J, K, T and E. Grounded Type K thermocouples have a welded tip; Types J, T and E thermocouples have silver soldered tipped probes for faster response.

### Features

- Locking Cap Adjusts Easily to Any Position On Flexible Tube
- Compressed Tube Holds Probe Tip Firmly Against Well Bottom
- Thermocouple at Tip of Probe for Maximum Heat Transfer
- Types J, K, E Withstand up to 750°F Over Probe and Tube
- Type T Withstands up to 500°F

### Ordering Information

**Model No. P**     -     **00** -     - **6 - 0 0**  
 Field No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

**Schedule: S2**

#### Field 1. BASE MODEL

P - Plastics industry

#### Fields 2, 3. THERMOCOUPLE TYPE

Fiberglass insulation unless otherwise stated.

☞ Determine length (Y + L) by completing Fields 10, 11, 12, and Field 7.

**Type Description 18 to 36" Each Add'l 6"**

Type	Description	18 to 36"	Each Add'l 6"
01 - J	20 gauge, solid		
02 - J	24 gauge, solid		
12 - J	20 gauge, strand		
60 - J	20 gauge, solid, special limits		
05 - K	20 gauge, solid		
62 - K	20 gauge, solid, special limits		

Several other wire codes are available. See Table 1 on page 2-10 for a complete listing. Compatibility of wire and junction styles is listed in Table 2 on page 2-11.

#### Field 4. NUMBER OF ELEMENTS

Complete Fields 5, 6; then check compatibility Table 2 on page 2-11.

- 1 - Single element
- 4 - Dual element. (24 gauge element only). Return to Fields 2, 3, and double that price

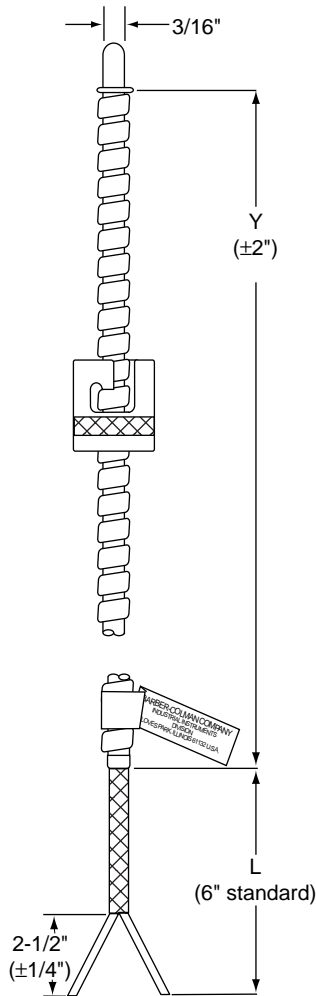
#### Fields 5, 6. JUNCTION STYLE, LEAD PROTECTION

**18 to 36"**

**Ea Add'l 6"**

☞ Determine length by completing Fields 10, 11, 12

- 33 - Closed end, grounded, flexible tube
- 35 - Closed end, ungrounded, flexible tube (24 gauge only)



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## Ordering Information (continued)

### Field 7. COLD END TERMINATION

**Single  
Element**

**Dual  
Element**

- 0 - 2-1/2" split leads, ends stripped
- 1 - 2-1/2" split leads, spade lugs
- 2 - 2-1/2" split leads, spade lugs, 1/2" NPS box connector with lock nut
- 3 - Solid pin quick disconnect plug(s)
- 4 - Solid pin quick disconnect plug(s) with mating jack(s)
- 7 - Quick disconnect jack(s)
- C - Hollow pin quick disconnect plug(s), Type J only
- D - Hollow pin quick disconnect plug(s) with mating jack(s), Type J only


#### **Extended Lead (DIMENSION "L")**

 Complete this Field to determine length for Fields 2, 3

- F - 12", split ends stripped
  - G - 24", split ends stripped
  - H - 48", split ends stripped
  - J - 96", split ends stripped
  - K - 144", split ends stripped
- For other lengths, consult factory

### Fields 8, 9. RESERVED

### Fields 10, 11, 12. FLEXIBLE LENGTH (DIMENSION "Y")

 Complete these Fields to determine length for Fields 2, 3; and 5, 6

YYY - Enter "Y" length in whole inches; minimum 018"

### Fields 13, 14, 15. RESERVED

### ***EZ PRICE***

The most often ordered assemblies are:

- P011-33000-YYY-6-00 with stripped leads
- P011-33100-YYY-6-00 with spade lugs
- P011-33300-YYY-6-00 with quick disconnect plug

**18 to 36"**

**Ea. Add'l 6"**