

# Varidepth® RTD, Spring Style

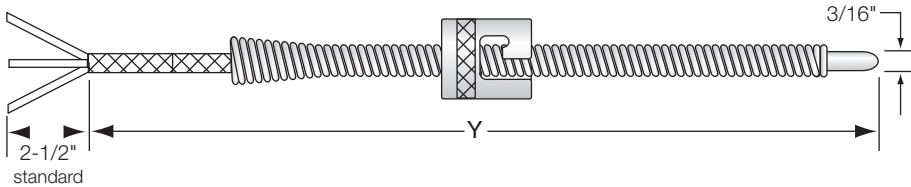


Adjustable Depth Immersion RTD, Spring Style with Bayonet Lock Cap

The Varidepth resistance temperature detector adjusts to many depths eliminating the need to stock a variety of fixed immersion length sensors. The locking cap rotates on the flexible spring achieving locking force that keeps the probe tip tight against the bottom of the adapter well.

### Features

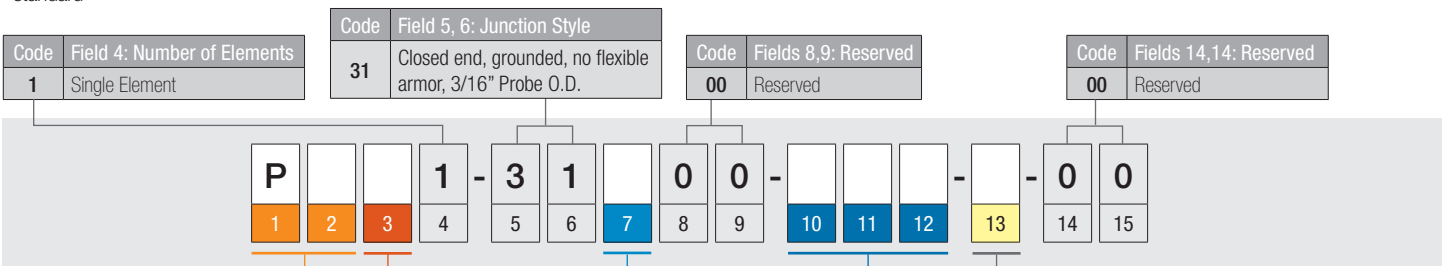
- Locking Cap Adjusts Easily to Any Position On Flexible Spring
- Compressed Tube Holds Rigid Probe Firmly Against Well Bottom
- RTD at Tip of Probe for Maximum Heat Transfer



Bayonet Adapters for use with Thermocouple Bayonet Caps

| Model Number | Length | Thread  |
|--------------|--------|---------|
| A-2709-1     | 13/16" | 1/8 NPT |
| A-3076-1     | 15/16" | 3/8-24  |
| A-4017       | 1      | 1/8 NPT |
| A-3077-1     | 1-1/2" | 1/8 NPT |
| A-3179       | 1-1/2" | 3/8-24  |
| A-3092-1     | 2"     | 1/8 NPT |

See Wire & Accessories section for more custom sizes.



| Field 1, 2 | Code  | RTD Base |
|------------|---|----------|
| P5         | 0.00391 $\Omega/\Omega/^\circ\text{C}$ with RTD Bulb              |          |
| P7         | 0.00385 $\Omega/\Omega/^\circ\text{C}$ with Thin Film RTD Element |          |

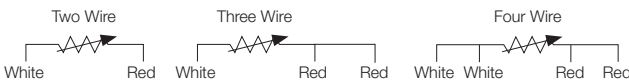
| Field 3 | Accuracy | Code  | Temp.  | Wires                            | Field 4: Element Compatibility |
|---------|----------|-------|--------|----------------------------------|--------------------------------|
|         | 0.25%    | 1     | 500°F  | 3 wire                           | Single                         |
| 3       |          | 932°F | 3 wire | Single                           |                                |
| 5       |          | 932°F | 2 wire | Single (2 wire) or Dual (4 wire) |                                |
| 0.1%    | 2        | 932°F | 3 wire | Single                           |                                |
|         | 4        | 500°F | 2 wire | Single (2 wire) or Dual (4 wire) |                                |
|         | 6        | 500°F | 3 wire | Single                           |                                |

| Field 13 | Code       | Spring and Lock Cap   |
|----------|------------|-----------------------|
| A        | 6" spring  | standard lock cap     |
| B        | 12" spring | standard lock cap     |
| C        | 6" spring  | 12 mm metric lock cap |
| D        | 12" spring | 12 mm metric lock cap |
| E        | 6" spring  | 15 mm metric lock cap |
| F        | 12" spring | 15 mm metric lock cap |

| Fields 10, 11, 12 | Code   | Flexible Length (Dimension "Y") |
|-------------------|--|---------------------------------|
| YYY               | Dimension "Y" (Specify YYY in whole inch increments, using three digits) |                                 |

NOTE: If over 998", specify 999 = "length" on order

| Field 7 | Code   | Cold End Termination |
|---------|--|----------------------|
| 0       | 2-1/2 inch split leads, ends stripped            |                      |
| 1       | 2-1/2 inch split leads, spade lugs               |                      |
| 2       | 2-1/2 inch split leads, lugs and box connector   |                      |
| C       | Hollow pin quick disconnect plug                 |                      |
| D       | Hollow pin quick disconnect plug and mating jack |                      |
| 9       | Other - Consult Factory                          |                      |



# Varidepth<sup>®</sup> RTD, Spring Style



## **Common Model Numbers**

*(The numbers below are just some of the more common numbers for this product. There are too many combinations to list them all.)*

|                     |                     |
|---------------------|---------------------|
| P721-31000-048-B-00 | P721-31100-180-B-00 |
| P721-31000-072-A-00 | P731-31000-036-C-00 |
|                     | P731-31000-120-C-00 |
| P721-31000-096-B-00 |                     |
| P721-31000-120-B-00 | P731-31000-360-B-00 |
| P721-31000-144-B-00 | P731-31300-048-B-00 |
| P721-31000-180-B-00 |                     |
| P721-31000-240-B-00 | P741-31000-072-A-00 |
| P721-31000-288-B-00 |                     |