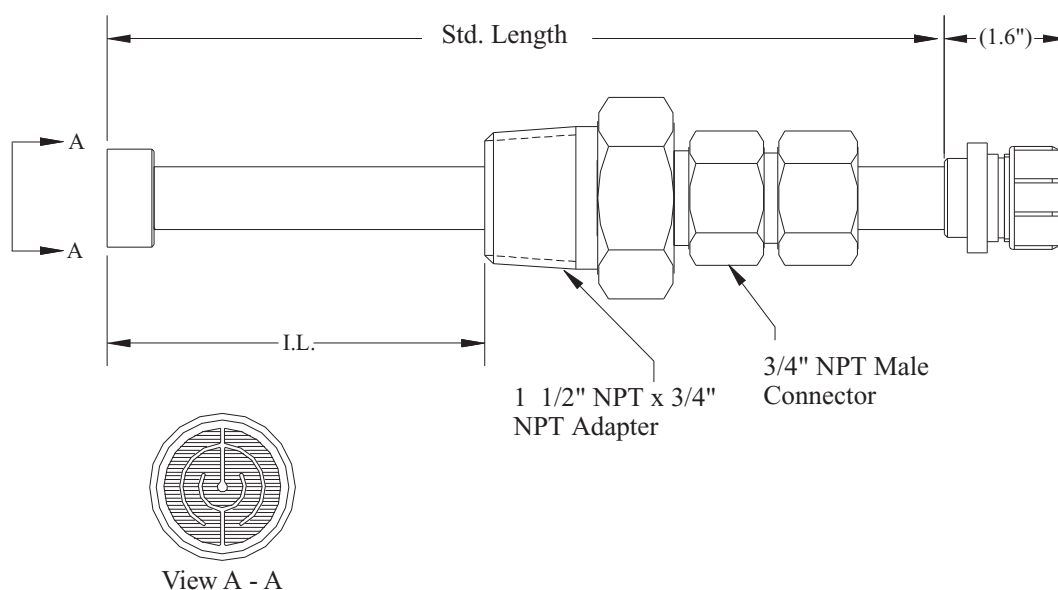


Model ER3200

Electrical Resistance Probe

Adjustable Length with 1½" NPT Pipe Plug and Flush Element



Model ER3200 is an adjustable-length, electrical resistance probe with a 3/4" NPT compression fitting combined with a 3/4" to 1½" adapter. The compression fitting allows the probe to be inserted into the process to the required length. The probe requires process isolation or process shutdown to install and a threaded pipe fitting to mount. The probe assembly consists of an insertion rod with an element, a hermetically sealed connector welded in place, a 3/4" compression fitting, and a 3/4" to 1½" adapter. The adapter can not be removed from the compression fitting. The insertion length (I.L.) is calculated to the end of the element. Probe length can be specified by the customer. For standard probes, the maximum insertion length is given in the chart below. Several standard elements are available to meet your specific needs.

Specifications:

Probe Body - 316 Stainless Steel

Element Seal - Epoxy

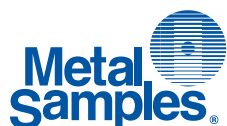
Fill Material - Epoxy

Temperature Rating - 500°F / 260°C

Pressure Rating - 1500 PSI / 102 Bar

Mounting - 1½" NPT Pipe Plug

| Std. Length | IL (max) |
|-------------|----------|
| 6" | 3" |
| 8" | 5" |
| 12" | 9" |
| 18" | 15" |



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ER3200 Ordering Information

| Model | | | | | | | |
|------------------|---|--|------------|-----------|------------|-----------|------------------------------------|
| ER3 | Electrical Resistance Adjustable Length Pipe Plug Probe | | | | | | |
| | Pipe Plug Size | | | | | | |
| | 7 | 1 1/2" NPT Pipe Plug | | | | | |
| | Probe Body Material | | | | | | |
| | 22 | 316 | | | | | |
| | 44 | C276 | | | | | |
| | ER Element Options | | | | | | |
| | D03 | FL10 Flush Mount - 10 mil thickness (5 mil useful probe life) | | | | | |
| | E03 | FL20 Flush Mount - 20 mil thickness (10 mil useful probe life) | | | | | |
| | F03 | FL40 Flush Mount - 40 mil thickness (20 mil useful probe life) | | | | | |
| | Length | | | | | | |
| | 06 | 3 inches max. insertion length | | | | | |
| | 08 | 5 inches max. insertion length | | | | | |
| | 12 | 9 inches max. insertion length | | | | | |
| 18 | 15 inches max. insertion length | | | | | | |
| Element Alloy | | | | | | | |
| XXX | Use Code in Alloy Chart | | | | | | |
| ER Probe Options | | | | | | | |
| 00 | No shield | | | | | | |
| ER3 | 7 | 22 | D03 | 08 | 375 | 00 | Example of Probe Ordering # |

For alloys, sizes, or other special requirements not listed, contact our sales department.

| Alloy Chart | | | | | |
|-------------|----------------|--------|------|-------------|--------|
| Code | Description | UNS # | Code | Description | UNS # |
| 375 | Carbon Steel * | G10100 | 159 | 316L SS | S31603 |
| 538 | 5Cr 1/2Mo | K42544 | A12 | C276 | N10276 |
| 541 | 9Cr 1Mo | K90941 | 602 | Alloy 625 | N06625 |
| 186 | 410 SS | S41000 | 419 | CDA110 | C11000 |
| 141 | 304 SS | S30400 | 434 | CDA443 | C44300 |

Note: Not all alloys are available with all element types and seals.

* Chemically equivalent to standard pipe-grade carbon steels.