

CUSTOM ENGINEERING LEVEL I

CUSTOM MODIFICATIONS

**Don't Get Steamed When Your Process Is
Out of Control - Get in Touch with OMEGA!**

A CASE IN POINT

A customer wants to weld a thermocouple probe onto a steam pipe in a boiler room during an upcoming maintenance shut down.

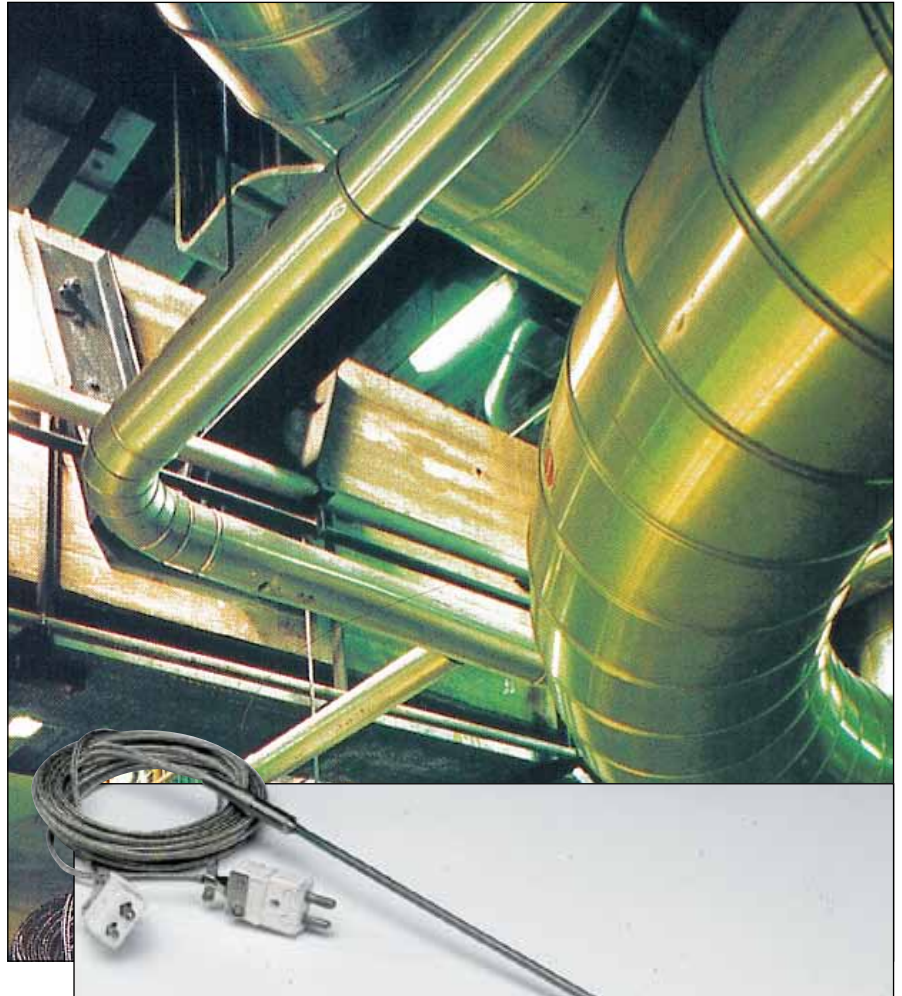
PROBLEM

They need to control and record the temperature of the steam pipe and monitor the process. He suggests a 305 mm (12") thermocouple probe with lead wires which can withstand high temperature and abrasion, and long enough to reach monitoring equipment ten feet away. To make matters more "interesting," his thermocouple lead wires and connector, which connect to a jack panel, experience temperatures up to 816°C (1500°F).

OMEGA® SOLUTION

An OMEGA sales representative is able to accommodate this customer's request with a dual element transition joint probe with weld pad fitting. OMEGA's nonstandard length XCIB high temperature lead wire overbraiding insulation and a high temperature ceramic connector are also incorporated. A Model No. TJ120-CAIN(DUAL)-316U-12-PDR1-CC-XCIB-NHX-M, which is a modified version of OMEGA's standard transition joint probe, was just right for the job.

The price for this custom designed probe is given on the spot, plus a delivery date is guaranteed to be prior to the maintenance shut down. Now that's service!



A Dual Element Transition Joint Probe with Weld Pad and OMEGA's XCIB (High Temperature) Lead Wire Insulation Is Supplied to Weld to Customer's Pipe

MODIFY AN EXISTING OMEGA DEVICE FOR YOUR APPLICATION

- ✓ Any Probe Length, Diameter, Bend, Sheath Material or Coating
- ✓ Choose From an Assortment of Resistance Values & Curves (RTD's)
- ✓ Any Termination, Protection Head, Lead Wire Insulation and Length
- ✓ Spring Loaded, Dual Element Bayonet & Compression Fitting Probes
- ✓ Metric Dimensions
- ✓ Free Computer Aided Design Drawings Kept on File For Your Convenience
- ✓ And much, much more...

Other Examples of Custom Modifications . . .



Aluminum Mylar Wrap and Copper Drain Wire Electrically Shield Thermocouple Lead Wire



Weld Pad (on NB2 Head with Bend) Secures Sensors to Measurement Area with Easy Installation and Removal