Thermocouple Assemblies with T3/T4 Leadwire Termination and Support Tube

T3/T4 Assembly

An adjustable support tube offers flexibility for immersion adjustment while protecting the sheath from potential damage during installation. The rigid, thick wall offers additional support when penetrating the vessel/furnace wall.

This exclusive Conax Technologies’ design provides a practically unbreakable connection between the leadwire and probe lead. The T3 epoxy-filled transition is supplied with PTFE-insulated extension wire as standard; silicone-impregnated fiberglass insulation is also available. Standard extension end leads are 24” long (longer leads available upon request). When the progressive description specifies 24 gauge probe wire, 20 gauge extension wire is standard. When the progressive description specifies 30 gauge probe wire, 24 gauge extension wire is standard. T4 termination provides a stainless steel overbraid for maximum flexibility and abrasion resistance. Available in all sheath materials and wire types. Both termination types function to 300˚F (150˚C) continuous temperature.

**Notes**

- 125” diameter sheath is available with 30 gauge wire only.
- Alumina sheath is not available in .125” diameter.
- Molybdenum, Tantalum and Tungsten are not available in .375” diameter.
- Lava sealant not recommended for high vacuum.
- Extension grade leadwire.
- Support tube materials: 316SS body and tube, 303SS cap and follower.
- Support tube assembly torque values, see page 12; S1=MPG Series, S2=PG2 Series, S4=PG4 Series.