This exclusive Conax design provides a practically unbreakable connection between the leadwire and the probe lead. The T3 epoxy-filled transition is supplied with silicone-impregnated fiberglass insulation thermocouple wire as standard. AWG 20 wire is provided for sheath diameters of 0.125" to 0.375"; AWG 24 wire is provided for sheath diameters of 0.040" and 0.062".
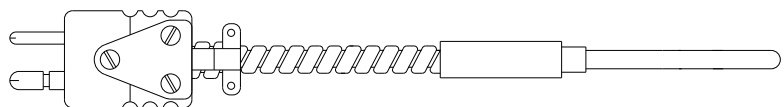
T4 termination provides a stainless steel overbraid for maximum flexibility and abrasion resistance. The overbraid is embedded in the epoxy to ensure mechanical strength. Standard extension leads are 24" long. Longer leads are available on request.

Specify Sensor Element

- **J – Iron/Constantan**
  - 32° F to +1400° F
  - 0° C to +760° C
- **K – Chromel/Alumel**
  - -328° F to +2300° F
  - -200° C to +1260° C
- **E – Chromel/Constantan**
  - -328° F to +1600° F
  - -200° C to +870° C
- **T – Copper/Constantan**
  - -328° F to +700° F
  - -200° C to +370° C
- **N – Nicrosil/Nisil**
  - 32° F to +2300° F
  - 0° C to +1260° C
- **S – Platinum-10% Rhodium/Platinum**
  - 32° F to +2700° F
  - 0° C to +1480° C
- **R – Platinum-13% Rhodium/Platinum**
  - 32° F to +2700° F
  - 0° C to +1480° C
- **B – Platinum-30% Rhodium/Platinum-6% Rhodium**
  - 1600° F to +3100° F
  - 870° C to +1700° C
- **C – Tungsten-5% Rhenium/Tungsten-26% Rhenium**
  - 32° F to +4200° F
  - 0° C to +2315° C

Special limits of error are designated by a double catalog letter, e.g. JJ.

Specify Sheath Material

- **SS – 304 Stainless Steel**
  - Maximum service temperature: +1650° F (900° C)
- **316SS – 316 Stainless Steel**
  - Maximum service temperature: +1650° F (900° C)
- **INC – Inconel 600**
  - Maximum service temperature: +2100° F (1150° C)
- **Alternate Materials**

  310SS – 310 Stainless Steel
  188HN – Haynes 188
  214HN – Haynes 214
  230HN – Haynes 230
  HC – Hastelloy C
  HX – Hastelloy X
  TI – Titanium
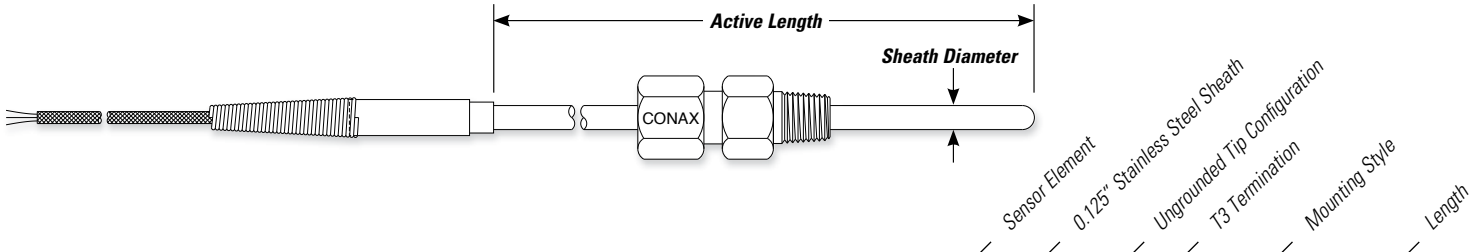 **TA – Tantalum**
  PLT – Platinum

Certain calibrations and wire configurations (dual and triple) may not be available in all sheath materials and diameters. Consult factory for details.

Specify Sheath Diameter

- **4 = 0.040" diameter**
- **6 = 0.062" diameter**
- **12 = 0.125" diameter**
- **18 = 0.187" diameter**
- **25 = 0.250" diameter**
- **37 = 0.375" diameter**

Specify Tip Configuration

G – Grounded
G – Single, Grounded
2G – Dual, Grounded
3G – Triple, Grounded

GR – Grounded, Reduced

U – Ungrounded
U – Single, Ungrounded
2U – Dual, Ungrounded
3U – Triple, Ungrounded

UR – Ungrounded, Reduced

B – Bare Wire

Note: For more information on tip configurations, see page 23.

*T3 with armored cable, see page 76.
(Also available without armor.)*

Tel: **1.716.684.4500** • USA: **1.800.223.2389** • Website: **www.conaxtechnologies.com**

Active Length

Sheath Diameter

CONAX

Sensor Element
0.125" Stainless Steel Sheath
Ungrounded Tip Configuration
T3 Termination
Mounting Style
Length

Progressive Description Example: *J - SS12 - U - T3 - PG2AL - 12.00"*

Specify Termination Style

Specify Mounting Style (optional)

Specify Length in Inches (required)

T3
- Fiberglass/silicone impregnated leadwire insulation
- Service temperature: 300° F (150° C)

T4
- Fiberglass/silicone impregnated leadwire insulation
- Stainless steel overbraid
- Service temperature: 300° F (150° C)

T3(HT)
- Fiberglass/silicone impregnated leadwire insulation
- High-temperature encapsulant
- Service temperature: 900° F (482° C)

T4(HT)
- Fiberglass/silicone impregnated leadwire insulation
- Stainless steel overbraid
- High-temperature encapsulant
- Service temperature: 900° F (482° C)

For longer lead length, specify in feet, rounded up to the nearest foot. Example: T3(3 FT)

Optional leadwire insulation types are available. Example: PVC requested – T3(3 FT-PVC). Consult factory for availability.

For detailed descriptions of termination styles, see pages 42-43.

Packing Gland

CONAX **MIC**
- For 0.040" and 0.062" diameter sheath
- Stainless steel construction
- Mounting thread 1/16 NPT

MICAL – Lava sealant
MICAT – Teflon sealant
MICAG – Grafoil sealant
(not available for 0.040" diameter)

CONAX **MPG**
- For 0.040", 0.062", 0.125" and 0.187" diameter sheath
- Stainless steel construction
- Mounting thread 1/8 NPT

MPGAL – Lava sealant
MPGAT – Teflon sealant
MPGAN – Neoprene sealant
MPGAV – Viton sealant
MPGAG – Grafoil sealant
(not available for 0.040" diameter)

CONAX **PG2**
- For 0.125", 0.187" and 0.250" diameter sheath
- Stainless steel construction
- Mounting thread 1/4 NPT

PG2AL – Lava sealant
PG2AT – Teflon sealant
PG2AN – Neoprene sealant
PG2AV – Viton sealant
PG2AG – Grafoil sealant

CONAX **PG4**
- For 0.250" and 0.375" diameter sheath
- Stainless steel construction
- Mounting thread 1/2 NPT

PG4AL – Lava sealant
PG4AT – Teflon sealant
PG4AN – Neoprene sealant
PG4AV – Viton sealant
PG4AG – Grafoil sealant

Midlock Gland

CONAX **MK062A**
- For 0.062" diameter sheath
- Stainless steel construction
- Stainless steel ferrule
- Mounting thread 1/8 NPT

CONAX **MK125A**
- For 0.125" diameter sheath
- Stainless steel construction
- Stainless steel ferrule
- Mounting thread 1/8 NPT

CONAX **MK187A**
- For 0.187" diameter sheath
- Stainless steel construction
- Stainless steel ferrule
- Mounting thread 1/8 NPT

CONAX **MK250A**
- For 0.250" diameter sheath
- Stainless steel construction
- Stainless steel ferrule
- Mounting thread 1/4 NPT

CONAX **MK375A**
- For 0.375" diameter sheath
- Stainless steel construction
- Stainless steel ferrule
- Mounting thread 1/2 NPT

Spring-Load

CSLP
- For 0.125", 0.187" and 0.250" diameter sheaths
- Stainless steel construction
- Mounting thread 1/2 NPT

Note: For sealant material details, see page 37.