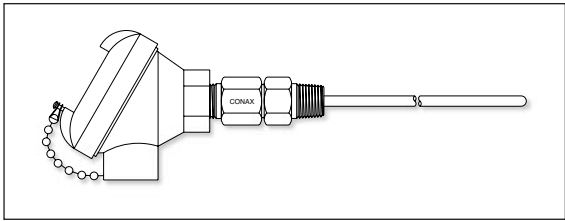
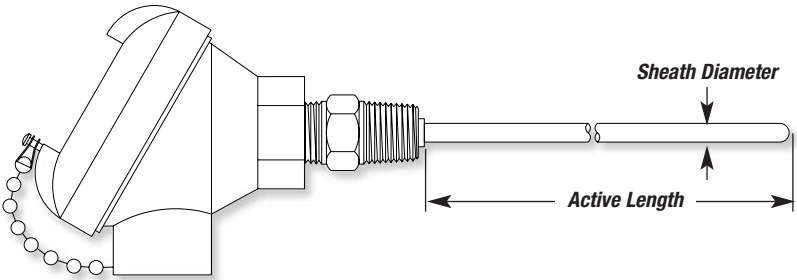


Conax Buffalo thermocouple assemblies offer a wide variety of terminal head styles to meet application needs. In direct mount models, the sheath is attached to the terminal head using either a W8 fitting or a Conax Buffalo manufactured "soft seal" sealing gland. Gland models are provided in different sizes and with various sealant materials to ensure proper function in a wide range of environments. All provided direct mount fittings serve as mounting devices and environmental seals.

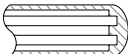
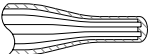
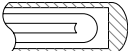


Assembly with Conax packing gland.
Example: **J-SS12-U-T5AL(PG4BL)-12.00"**



Progressive Description Example: **J-SS12-U-T5AL(W8)-12.00"**

Sensor Element
0.125" Stainless Steel Sheath
Ungrounded Tip Configuration
T5 Aluminum Termination
Mounting Style
Length

Specify Sensor Element	Specify Sheath Material	Specify Sheath Diameter	Specify Tip Configuration	Specify Termination Style	Specify Mounting Style	Specify Length in Inches (required)	
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	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 <i>Certain calibrations and wire configurations (dual and triple) may not be available in all sheath materials and diameters. Consult factory for details.</i>	12 = 0.125" diameter 18 = 0.187" diameter 25 = 0.250" diameter 37 = 0.375" diameter <i>Sheath diameters < 0.125" are available for direct mount application, review with factory.</i>	 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 <i>Note: For more information on tip configurations, see page 25. For specialty tips, see page 71.</i>	 T5AL - Aluminum T5CI - Cast Iron • NEMA 4 rated • Conduit port 3/4 NPT  T5SS • NEMA 4X rated • 316 stainless steel construction • Conduit port 3/4 NPT  T7 • Weather proof • Aluminum conduit box accommodates up to 8 terminals • Conduit port 3/4 NPT  T8 • Weather proof • Cast iron construction • Black epoxy coated (E-coat) • Conduit port 3/4 NPT  T8E • Explosion proof rating Class I, Group B, C & D Class II, Group E, F & G Class III • Gray iron body with aluminum screw cover • NEMA 4 rated • Conduit port 1/2 NPT	 T11 • Weather proof • Aluminum construction • Conduit port 1/2 NPT  T11PL • Weather proof • Plastic construction • Conduit port 1/2 NPSM  T12 • Weather proof • Aluminum construction • Flip-top head • Conduit port 1/2 NPT  T13 • FDA compliant, NEMA 4 rated • White, unpigmented polypropylene construction • Conduit port 3/4 NPT  T13F • FDA compliant, NEMA 4X rated • White, unpigmented polypropylene construction • Flip-top head • Conduit port 3/4 NPT	 T13T • FDA compliant, NEMA 4X rated • White, unpigmented polypropylene construction • 4 terminal posts • Conduit port 3/4 NPT  T15EAL - Aluminum T15ESS - Stainless Steel • Explosion Proof rating Class 1, Division 1, Groups B, C and D and Dust Proof/Ignition Proof rating for Class II, Division 1, Group E, F & G • Ratings: T15EAL – NEMA 4, T15ESS – NEMA 4X • Conduit port 3/4 NPT <i>Note: For additional terminal head types and detailed descriptions, see pages 46-51.</i>	 PG2 • For 0.125", 0.187" and 0.250" diameter sheath • Stainless steel construction • Mounting thread 1/4 NPT PG2BL – Lava sealant PG2BT – Teflon sealant PG2BN – Neoprene sealant PG2BV – Viton sealant PG2BG – Grafoil sealant  PG4 • For 0.250" and 0.375" diameter sheath • Stainless steel construction • Mounting thread 1/2 NPT PG4BL – Lava sealant PG4BT – Teflon sealant PG4BN – Neoprene sealant PG4BV – Viton sealant PG4BG – Grafoil sealant  W4 • For 0.125", 0.187" and 0.250" diameter sheath • 316 stainless steel construction • Mounting thread 1/4 NPT • Sheath welded to fitting  W8 • For 0.125", 0.187" and 0.250" diameter sheath • 316 stainless steel construction • Mounting thread 1/2 NPT • Sheath welded to fitting <i>Note: For sealant material details, see page 41.</i>

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

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For more information call: 1-800-223-2389 • e-mail: conaxbuf@conaxbuffalo.com • visit our website: www.conaxbuffalo.com



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