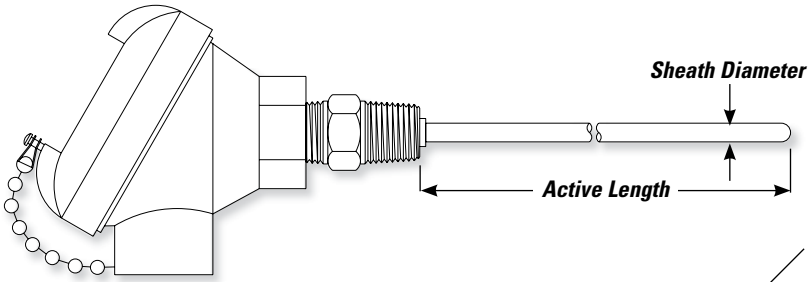


Conax RTD assemblies offer a wide variety of terminal head styles to meet application needs. In direct mount models, the sheath is attached to the terminal head using either a W8 fitting or a Conax manufactured “soft seal” compression fitting. Compression seal models are provided in different sizes and 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.










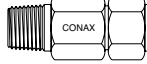





Specify Sensor Element	Specify Sensor Tolerance	Specify Sensor Lead Configuration	Specify Sheath Material & Size
<p>RTD43 Platinum</p> <ul style="list-style-type: none"> • 100Ω @ 0° C • α = 0.00385 Ω/Ω/°C • -200° C to +600° C • -328° F to +1112° F <p>MRTDF43 Platinum</p> <ul style="list-style-type: none"> • 100Ω @ 0° C • α = 0.00385 Ω/Ω/°C • -50° C to +550° C • -58° F to +1022° F <p>RTD44 Platinum</p> <ul style="list-style-type: none"> • 100Ω @ 0° C • α = 0.00385 Ω/Ω/°C • -200° C to +800° C • -328° F to +1472° F • Inconel 600 sheath standard <p>RTD45 Platinum</p> <ul style="list-style-type: none"> • 100Ω @ 0° C • α = 0.003916 Ω/Ω/°C • -200° C to +600° C • -328° F to +1112° F <p>RTD86 Platinum</p> <ul style="list-style-type: none"> • 200Ω @ 0° C • α = 0.00385 Ω/Ω/°C • -200° C to +600° C • -328° F to +1112° F <p>MRTDF430 Platinum</p> <ul style="list-style-type: none"> • 1000Ω @ 0° C • α = 0.00385 Ω/Ω/°C • -50° C to +550° C • -58° F to +1022° F • Available with 0.250" sheath diameter or larger 	<p>W (Class B)</p> <ul style="list-style-type: none"> • Available for RTD43, 44 and 45, single and dual; and RTD86, MRTDF43 and MRTDF430, single only • Tolerance at 0° C is ±0.3° C <p>V (1/3 Class B)</p> <ul style="list-style-type: none"> • Available for RTD43, 44 and 45 single only • Tolerance at 0° C is ±0.1° C <p>S (Class A)</p> <ul style="list-style-type: none"> • Available for RTD43, 44 and 45 single only • Tolerance at 0° C is ±0.15° C <p>X</p> <ul style="list-style-type: none"> • Available for ERTD41, single only; tolerance at 0° C is ±0.4° C • Available for ERTD42, single; tolerance at 0° C is ±0.8° C • Available for ERTD42, dual; tolerance at 0° C is ±1.4° C 	<p>Note: 0.125" and 0.187" diameter sheaths can contain up to 4 wires; 0.250" diameter sheaths can contain up to 8 wires.</p>	<p>316 Stainless Steel</p> <p>316SS118</p> <ul style="list-style-type: none"> • 3 mm <p>316SS12</p> <ul style="list-style-type: none"> • 0.125" diameter <p>316SS18</p> <ul style="list-style-type: none"> • 0.187" diameter <p>316SS236</p> <ul style="list-style-type: none"> • 6 mm <p>316SS25</p> <ul style="list-style-type: none"> • 0.250" diameter <p>Inconel 600</p> <p>INC12</p> <ul style="list-style-type: none"> • 0.125" diameter • Standard sheath material for RTD44 <p>INC18</p> <ul style="list-style-type: none"> • 0.187" diameter • Standard sheath material for RTD44 <p>INC25</p> <ul style="list-style-type: none"> • 0.250" diameter • Standard sheath material for RTD44
<p>ERTD41 Copper</p> <ul style="list-style-type: none"> • 10Ω (9.05Ω actual) @ 0° C • α = 0.00426 Ω/Ω/°C • -70° C to +150° C • -94° F to +300° F • Available with 0.250" sheath diameter or larger <p>ERTD42 Nickel</p> <ul style="list-style-type: none"> • 120Ω @ 0° C • α = 0.00672 Ω/Ω/°C • -40° C to +180° C • -40° F to +350° F • Available with 0.250" sheath diameter or larger 			<p>Note: For additional diameters and other sheath materials, see pages 7.</p>

Note: For ASTM E1137 assemblies, use ordering prefix ARTD44W4-SS25 or ARTD44W4-INC25.



Progressive Description Example: **RTD43W3-316SS25-T5AL(W8)-12.00"**

Sensor Element
 W Sensor Tolerance
 3 Sensor Lead Configuration
 0.250" 316 Stainless Steel Sheath
 T5 Aluminum Termination
 Mounting Style
 Length

Specify Termination Style	Specify Mounting Style	Specify Length in Inches (required)
 <p>T5AL - Aluminum T5CI - Cast Iron</p> <ul style="list-style-type: none"> NEMA 4 rated Conduit port 3/4 NPT 	 <p>T11</p> <ul style="list-style-type: none"> Weather proof Aluminum construction Conduit port 1/2 NPT  <p>T11PL</p> <ul style="list-style-type: none"> Weather proof Plastic construction Conduit port 1/2 NPSM 	 <p>PG2</p> <ul style="list-style-type: none"> For 0.125", 0.187" and 0.250" diameter sheath Stainless steel construction Mounting thread 1/4 NPT
 <p>T5SS</p> <ul style="list-style-type: none"> NEMA 4X rated 316 stainless steel construction Conduit port 3/4 NPT 	 <p>T12</p> <ul style="list-style-type: none"> Weather proof Aluminum construction Flip-top head Conduit port 1/2 NPT 	<p>PG2BL – Lava sealant PG2BT – Teflon sealant PG2BN – Neoprene sealant PG2BV – Viton sealant PG2BG – Grafoil sealant</p>
 <p>T7</p> <ul style="list-style-type: none"> Weather proof Aluminum conduit box accommodates up to 8 terminals Conduit port 3/4 NPT 	 <p>T13</p> <ul style="list-style-type: none"> FDA compliant, NEMA 4 rated White, unpigmented polypropylene construction Conduit port 3/4 NPT  <p>T13F</p> <ul style="list-style-type: none"> FDA compliant, NEMA 4X rated White, unpigmented polypropylene construction Flip-top head Conduit port 3/4 NPT 	 <p>PG4</p> <ul style="list-style-type: none"> For 0.250" diameter sheath Stainless steel construction Mounting thread 1/2 NPT
 <p>T8E</p> <ul style="list-style-type: none"> 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 	 <p>T13T</p> <ul style="list-style-type: none"> FDA compliant, NEMA 4X rated White, unpigmented polypropylene construction 4 terminal posts Conduit port 3/4 NPT  <p>T15EAL - Aluminum T15ESS - Stainless Steel T15EAL(ATEX)</p> <ul style="list-style-type: none"> 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 	<p>PG4BL – Lava sealant PG4BT – Teflon sealant PG4BN – Neoprene sealant PG4BV – Viton sealant PG4BG – Grafoil sealant</p>
	<p><i>Note: For additional terminal head types and detailed descriptions, see page 43-47.</i></p>	 <p>W4</p> <ul style="list-style-type: none"> For 0.125", 0.187" and 0.250" diameter sheath 316 stainless steel construction Mounting thread 1/4 NPT Sheath welded to fitting
		 <p>W8</p> <ul style="list-style-type: none"> For 0.125", 0.187" and 0.250" diameter sheath 316 stainless steel construction Mounting thread 1/2 NPT Sheath welded to fitting

Note: For sealant material details, see page 37.