

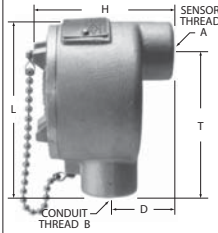
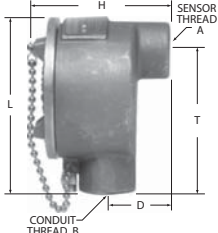
# Connection Heads

Dimensions in inches (mm)		Body/gasket material	IP/NEMA Rating	Max Temp.	Pipe thread codes	Temptran™ models	Approx. weight	Model
<b>CH103</b> 3.5 (89) H 3.5 (89) L 1.9 (48) D 1.9 (48) T		Nickel-plated cast iron with SS chain/silicone gasket	IP55 Type 3 and 4	316°C (600°F)	P1, P2, P3, P4	All models except TT220 and TT221	2.0 lbs. (0.9 kg.)	▼CH103
<b>CH366</b> 3.0 (76) H 3.7 (94) L 1.37 (35) D 1.9 (48) T		White polypropylene (FDA approved)/neoprene gasket	IP55 Type 3 and 4	110°C (230°F)	P3 only	All models except TT220 and TT221	0.2 lbs. (0.1 kg.)	▼CH366
<b>CH359</b> 3.5 (89) H 3.5 (89) L 2.0 (51) D 1.75 (44) T		Aluminum/silicone gasket	IP55 Type 3 and 4	316°C (600°F)	P1, P2, P3, P4	All models except TT220 and TT221	0.8 lbs. (0.4 kg.)	▼CH359
<b>CH301</b> 2.33 (59.2) H 4.25 (108) L 1.25 (31.8) D 3.60 (91.4) T		Aluminum/neoprene gasket	IP55 Type 3 and 4	115°C (240°F)	CH301: P3 only	Miniature TT111 and TT211 models	0.5 lbs. (0.2 kg.)	▼CH301
CH302: P2 only					▼CH302			
<b>CH360</b> 3.5 (89) H 3.5 (89) L 2.0 (51) D 1.75 (44) T		316 SS with silicone gasket	IP56 Type 3, 4 and 4x	316°C (600°F)	P1, P2, P3, P4	All models except TT220 and TT221	1.8 lbs. (0.8 kg.)	▼CH360
<b>CH335/CH339</b> 2.5 (64) Ø 3.5 (89) H 0.95 (20) D		300 series SS with Buna N O-ring	IP56 Type 3, 4 and 4x	121°C (250°F)	P3 only	All models except TT220 and TT221	2.6 lbs. (1.2 kg.)	▼CH335
		300 series SS with Buna N O-ring and chain	IP56 Type 3, 4 and 4x	121°C (250°F)	P3 only	All models except TT220 and TT221	2.6 lbs. (1.2 kg.)	CH339

Dimensions in inches (mm)		Body/gasket material	Hazardous location rating	IP/NEMA Rating	Max Temp.	Approx. weight	Model
<b>Explosionproof/flameproof heads FM/CSA approved</b>							
<b>CH104:</b> 4.60 (116.8) L 3.50 (88.9) H 1.63 (41.4) D 3.35 (85.1) T		Copper-free aluminum/Buna-N O-ring	Division 1; Division 2 Class I, Groups B, C, D; Class II, Groups E, F, G; Class I, Zone 1, AEx d IIC; Zone 1, EX d IIC; T6 (Ta = 40°C), T2 (Ta = 260°C)	IP65 Type 3 and 4	121°C* (250°F)	1.5 lbs. (0.7 kg.)	▼CH104
<b>CH106:</b> 4.20 (106.7) L 3.50 (88.9) H 1.35 (34.3) D 3.22 (81.8) T		Stainless steel/Buna-N O-ring		IP66 Type 3, 4, and 4X	121°C* (250°F)	2.4 lbs. (1.1 kg.)	▼CH106

\*Maximum temperature increases to 500°F (260°C) if O-ring is removed. Environmental rating drops to Type 3, IP54.

▼ = STANDARD OPTIONS  
Specifications subject to change

Dimensions in inches (mm)	Body/gasket material	Hazardous location rating	IP/NEMA Rating	Max Temp.	Approx. weight	Model		
<b>Explosionproof heads FM/CSA approved</b>								
<b>CH405/CH407/ CH342/CH343/ CH330/CH328:</b> 4.60 (116.8) L 3.60 (91.4) H 1.63 (41.4) D 3.70 (96.0) T		Copper-free aluminum	Division 1; Class I, Groups A, B, C, D;	IP54 Type 3	260°C (500°F)	CH405		
		Copper-free aluminum/ Buna-N O-ring	Class II, Groups E, F, G; Class III (FM approved only)	IP65 Type 3 and 4	121°C (250°F)	1.4 lbs. (0.6 kg.)	CH407	
		Copper-free aluminum, gray epoxy coat, no chain/ Buna-N O-ring	Division 1; Class I, Groups B, C, D;	IP66 Type 3, 4 and 4X		CH342		
		Copper-free aluminum, gray epoxy coat, with chain/ Buna-N O-ring	Class II, Groups E, F, G;			CH343		
		<b>Note: The following models have lower cost but no FM/CSA approval or label.</b>						
		Aluminum/ Buna-N O-ring	Division 1; Class I, Groups B, C, D;	IP65 Type 3 and 4	121°C (250°F)	1.4 lbs. (0.6 kg.)	CH330	
Aluminum with FDA approved white epoxy coat, no chain/Buna-N O-ring	Class II, Groups E, F, G; Class III	IP66 Type 3, 4 and 4X			CH328			
<b>Flameproof heads CENELEC/ATEX approved <math>\text{Ex}</math> II 2G Ex d IIC T6</b>								
<b>CH357/CH358:</b> 4.49 (114) L 3.60 (91.4) H 1.63 (41.4) D 3.78 (96.0) T  <b>CH356:</b> 4.20 (106.7) L 3.50 (88.9) H 1.35 (34.3) D 3.22 (81.8) T		Copper-free aluminum/ Buna-N O-ring	Zone 1, Group IIC	IP65 Type 3 and 4	55°C (104°F)	1.4 lbs. (0.6 kg.)	▼ CH357	
		Copper-free aluminum, epoxy coated/Buna-N O-ring	Zone 1, Group IIC	IP66 Type 3, 4 and 4X		CH358		
		Stainless steel/Buna-N O-ring				121°C (250°F)	2.4 lbs. (1.1 kg.)	▼ CH356

**Notes:**

- View photos of terminal boards under accessories at [www.minco.com](http://www.minco.com)
- All Temptran™ transmitter models may be used with connection heads on these pages.
  - AC103133 dual miniature Temptran™ mounting kit fits CH104, CH106, and CH356. CH106 and CH356 also require AC103625 modification.
  - AC103528 dual miniature Temptran™ mounting kit fits CH342, CH343, CH405, CH407, CH328, CH330, CH357, and CH358.
  - See Section 4 for more information.

**Replacement terminal boards**

Model	6-position board	8-position board
CH103	AC103029	AC101926
CH104	AC1039	AC101122
CH106	AC1039	AC101122
CH301	AC101377T6	
CH302	AC101377T6	
CH328	AC1039	AC101122
CH330	AC1039	AC101122
CH331	AC100427	
CH335	AC100427	AC101926
CH339	AC100427	AC101926
CH342	AC1039	AC101122
CH343	AC1039	AC101122
CH356	AC1039	AC101122
CH357	AC1039	AC101122
CH358	AC1039	AC101122
CH359	AC100427	AC101926
CH360	AC100427	AC101926
CH405	AC1039	AC101122
CH407	AC1039	AC101122

Specifications subject to change

**Specification and order options**

CH104	Model number from table		
P2	<b>Pipe thread code:</b>	<b>Thread A</b>	<b>Thread B</b>
	▼P1 =	3/4 - 14	1/2 - 14
	▼P2 =	3/4 - 14	3/4 - 14
	▼P3 =	1/2 - 14	1/2 - 14
	▼P4 =	1/2 - 14	3/4 - 14
	P5 (CH356 only) =	1/2 - 14	M20 x 1.5
P6 (CH356 only) =	3/4 - 14	M20 x 1.5	
T	<b>Connection type:</b>		
	▼T = Terminal board for wires AWG 14 or smaller ▼W = Wire nuts for wires AWG 14 to 22		
6	<b>Number of terminal posts or wire nuts:</b>		
	▼: 0, 6 8 (see terminal board table at right for model options)		
	T0: transmitter mounting hardware W0: empty enclosure		
CH104P2T6 = Sample part number			