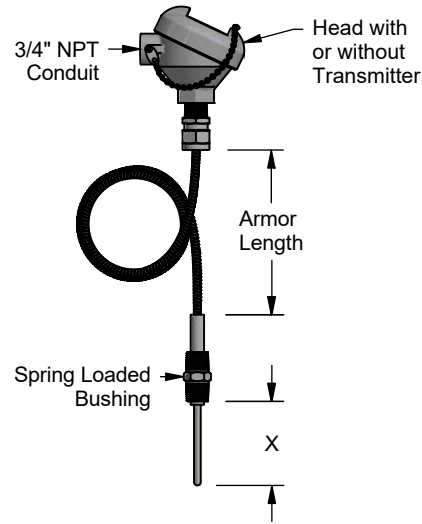


REMOTE MOUNT RTD HEAD ASSEMBLY

Reotemp offers a large selection of RTD Remote Mount Head Assemblies featuring explosion proof, corrosion resistant, LED Display, and many other head options. Head assemblies can be configured with a HART or 4-20 mA transmitter.



Made in USA



BUILD YOUR STEM ASSEMBLY: Choose options to build a part number. For example: **APX1256X-LR3A36T2RHB-TS**

A



STYLE

STEM OPTIONS (OPTIONAL)

A		H	
	Plain Stem (Lead Assembly)		Spring Loaded Bushing
B		P	
	Welded SS Bushing		1/2" NPT Nipple w/ Bayonet
R		S	
	Bayonet Cap w/ Spring		Load Spring Only
4T			
	5" Nominal Spring Loaded N-U-N		

Leave blank for no stem option.

T		U	
	1.5"		1.8"
	1/4" NPT Sliding Compression Fitting Loose On Plain 316SS Stem		1/2" NPT Sliding Compression Fitting Loose On Plain 316SS Stem
V		W	
	1.3"		
	1/8" Compression Fitting Loose on Plain 316SS Stem		Weld Pad, 1"x1"x1/8"

Note: Compression fitting lengths will decrease overall stem length.

REMOTE MOUNT RTD HEAD ASSEMBLY

PX
|

1
|

25
|

6
|

X
|

RTD SENSOR

TEMPERATURE RANGE

STEM DIAMETER

STEM LENGTH "X"

NUMBER OF LEADS/RTDs

Type	Code	Material/Class	Ω at 0°C	Accuracy at 0°C(Ω)
Standard DIN B Platinum 100 Ω	PX*	Pt/385/B	100 Ω	$\pm 0.12\%$
Platinum 100 Ω with Other Accuracies	PA*	Pt/385/A	100 Ω	$\pm 0.06\%$
	PD*	Pt/385/A3	100 Ω	$\pm 0.03\%$
	PE*	Pt/385/A5	100 Ω	$\pm 0.01\%$
Other RTDs	PK*	Pt/385/B	1000 Ω	$\pm 0.12\%$
	PH*	Pt/385/A	1000 Ω	$\pm 0.06\%$
	PM	Pt/385/B	500 Ω	$\pm 0.12\%$
	PY*	Pt/392	100 Ω	$\pm 0.10\%$
	NI	Nickel/6725	120 Ω	$\pm 0.50\%$
	CU	Copper/421	10 Ω at 25°C	$\pm 0.50\%$ at 25°C

1 = -328°F/400°F (Standard)
2 = Extended Range -328°F/1100°F (Only Available on PX, PA, PE, PK, PH, or PY RTDs)

25 = 0.250"
12 = 0.125"
18 = 0.188"
37 = 0.375"

? = Stem Length in Inches (See "X" length drawing on page 57.)

X = Single 3-wire
XX = Duplex 3-wire
Y = Single 4-wire
YY = Duplex 4-wire
W = Single 2-wire
WW = Duplex 2-wire

*Available in Reotemp Extended temperature RTDs.

-L
|

R
|

3
|

A
|

LEAD WIRE

SENSOR TYPE

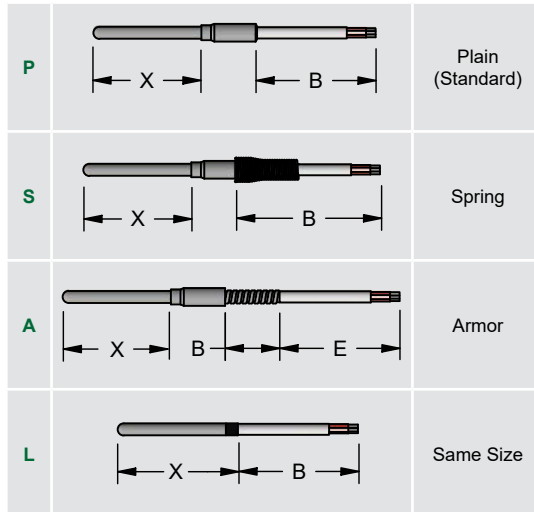
NUMBER OF LEADS

TRANSITION TYPE

-L = Lead Wire

R = RTD

2 = 2-Wire RTD
3 = 3-Wire RTD
4 = 4-Wire RTD or Duplex 2-Wire RTD
6 = Duplex 3-Wire RTD
8 = Duplex 4-Wire RTD



36
|

LEAD OR ARMOR LENGTH

?? = "B" Length in Inches

REMOTE MOUNT RTD HEAD ASSEMBLY

T2
|

RHB
|

INSULATION & CONDUCTOR

- T2** = Teflon with 24 AWG Stranded Wire
- T3** = Teflon with 20 AWG Stranded Wire
- A2** = Teflon with 24 AWG Mylar Shield & Drain
- F2** = Fiberglass with 24 AWG Stranded Wire

HEAD STYLE

Head	Code	Description	Ratings				Display	STD Conduit
	RHA	Cast Iron Black	NEMA 4					3/4"
	RHB	Cast Aluminum	NEMA 4X					3/4"
	RHE	Explosion Proof Aluminum	NEMA 4X	✓	✓			3/4"
	RHI	Blue Epoxy Aluminum	NEMA 4X					3/4"
	RHS	Polypropylene White	NEMA 4					3/4"
	RHW	Field HART Transmitter	IP68, NEMA 4X	✓	✓	✓	✓	1/2"
	RHZ	Z-Temp™ Explosion Proof Aluminum	NEMA 4X, IP66	✓	✓	✓	✓	1/2"
	RHG	316SS	NEMA 4X					3/4"
	RHT	ATEX Explosion Proof Aluminum	NEMA 4X	✓	✓	✓		1/2"
	RHL	Explosion Proof Epoxy Coated Aluminium	NEMA 4X	✓	✓			3/4"

See page 49 for additional head style options. Add "RH" in front of any head code.



HEAD OPTIONS (OPTIONAL)

Note: All heads come standard with a ceramic terminal block unless no terminal block or a transmitter is chosen.

- H** = 1/2" Conduit
- S** = 1/2" BSPP Conduit
- M** = M20 x 1.5"
- N** = No Terminal Block

TRANSMITTER (OPTIONAL)

- Standard**
- X** = 4-20 mA 2-wire Transmitter
- R** = 4-20 mA 2-wire HART Transmitter
- F** = 4-20 mA 2-wire Foundation Fieldbus
- P** = 4-20 mA 2-wire Profibus
- Required when Z-Head is Selected:**
- B** = 4-20 mA 2-wire Transmitter with Digital Display
- Y** = 4-20 mA 2-wire HART Transmitter with Digital Display

WIRE PROTECTION (OPTIONAL)

- Omit if No Armor**
- A** = Stainless Steel Armor
- P** = PVC Coated Stainless Steel Armor
- T** = Teflon Coated Stainless Steel Armor
- O** = Stainless Steel Overbraid

OPTIONS

- TS** = Stainless Tag
- R1** = One Point Calibration Certification (Reotemp Chooses)
- R3** = Three Point Calibration Certification (Reotemp Chooses)

For additional options see page 147.

For thermowells see pages 140-146.

RTD

HEAD STYLES

All head styles are IP65 or greater. Additional head styles available, contact customer service for more information.

Head	Code	Description	NEMA Rating	IP Rating				Display	STD Conduit	Material
	A	Cast Iron Black	4	65					3/4"	Cast Iron
	B	Cast Aluminum	4X	68					3/4"	Cast Aluminium
	E	Explosion Proof Aluminum	4X	68	✓	✓			3/4"	Cast Aluminium
	I	Blue Epoxy Aluminum	4X	68					3/4"	Cast Aluminium
	S	Polypropylene White	4	65					3/4"	Polypropylene
	W	Explosion Proof Field HART Transmitter	4X	68	✓	✓	✓	✓	1/2"	Cast Aluminium
	Z	Z-Temp™ Explosion Proof Aluminum	4X	66	✓	✓	✓	✓	1/2"	Cast Aluminium
	C	Polypropylene Black	4	65					3/4"	Polypropylene
	G	316SS	4X	65					3/4"	316SS
	H	Aluminum Flip Top	4	65					3/4"	Cast Aluminium
	J	Explosion Proof 316SS	4X	65	✓	✓			3/4"	316SS
	T	ATEX Explosion Proof Aluminum	4X	68	✓	✓	✓		1/2"	Cast Aluminium
	L	Explosion Proof Epoxy Coated Aluminium	4X	68	✓	✓			3/4"	Cast Aluminium
	D	Mini Cast Aluminum	4	65					3/4"	Cast Aluminium
	K	Polished 316SS Knurl	4X	65					1/2"	316SS
	P	DIN Black Polypropylene	4	65					3/4"	Polypropylene
	U	Hi-dome Aluminum Fliptop	4	65					3/4"	Cast Aluminium
	V	Ball-dome Aluminum Fliptop	4	65					3/4"	Cast Aluminium

THERMOCOUPLE & RTD OPTIONS

		Thermocouple	RTD	Digital Thermometers	Handheld Digital
CERTIFICATION OPTIONS					
-R1	1 Point Calibration Certification, Reotemp Chooses	✓	✓	✓	✓
-R3	3 Point Calibration Certification, Reotemp Chooses	✓	✓	✓	✓
-C1	1 Point Calibration Certification, Customer Chooses	✓	✓	✓	✓
-C3	3 Point Calibration Certification, Customer Chooses	✓	✓	✓	✓
-CC	Certificate of Conformance	✓	✓	✓	✓
-CS	NIST Calibration Sticker (No Logged Points)	✓	✓	✓	✓
OTHER OPTIONS					
-VB	Hi-Vibration	N/A	✓	✓	✓
-AC	Hi-Accuracy	N/A	✓	N/A	N/A
-PS	Pointed Stem	✓	✓	✓	✓
-TF	Teflon Coating	✓	✓	✓	✓
-SS	316 SS stem	N/A	STD	✓	✓
-NL	No Logo	✓	✓	✓	✓
-HT	Heat Transfer Compound (2 oz)	✓	✓	✓	N/A
-GL	Plain Glass Lens	N/A	N/A	✓	✓
-CL	Custom Logo Dial	N/A	N/A	✓	✓
-BP	Replacement Battery Pack	N/A	N/A	✓	✓
-WD	White Dial	N/A	N/A	✓	✓
-AS	Allows to Fit 1-1/4-18 Industrial Thermowell	✓	✓	✓	N/A
TAG OPTION					
-TS	Stainless Steel Tag (1-10 Characters)			✓	
-TM	Stainless Steel Tag (11-80 Characters)			✓	
-TP	Paper Tag			✓	

✓	Indicates that the option is available with this model.
N/A	Indicates the option is not available with this model.
STD	Indicates standard options with no additional cost.