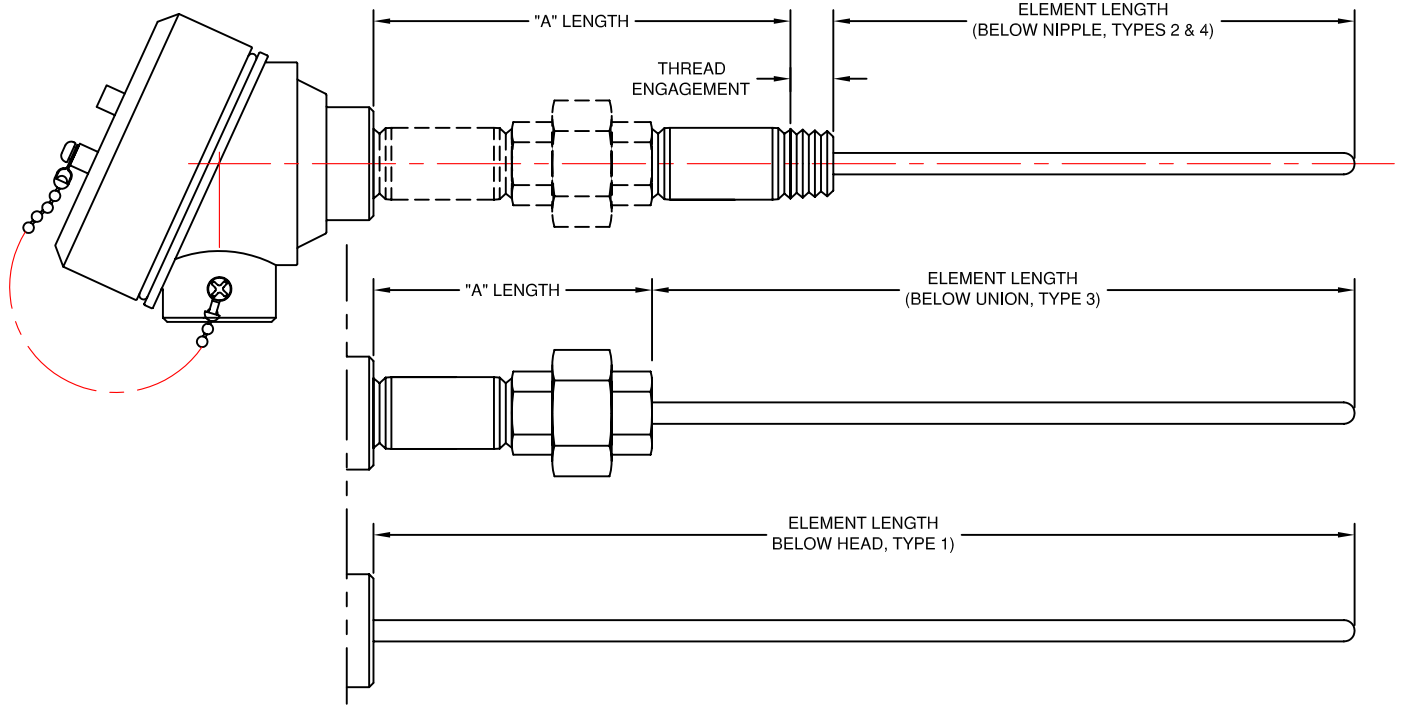


INDUSTRIAL RTD'S



CODE	CONNECTION HEAD		
	MATERIAL	TYPE	NEMA
AN	ALUMINUM	WATER PROOF	4
SN	STAINLESS STEEL	WATER PROOF, CORROSION RESISTANT	4, 4X
AE	ALUMINUM	EXPLOSION PROOF (NOTE 2)	4
SE	STAINLESS STEEL	EXPLOSION PROOF, CORROSION RESISTANT (NOTE 2)	4, 4X
XD	ALUMINUM	EXPLOSION PROOF, FM, CSA APPROVED (NOTES 2 & 3)	4, 4X
A	CAST IRON	WEATHER PROOF, RUGGED	
L	POLYPROPYLENE	WEATHER PROOF, LIGHT WEIGHT	
AX	ALUMINUM, LARGE DEVICE, EPOXY COATED	EXPLOSION PROOF, ATEX APPROVED (NOTE 3)	4

DETERMINING ELEMENT LENGTH

In most cases to determine element length for existing wells, simply measure the overall length of the well and subtract 1/2" for thread engagement. This allows for spring compression on spring loaded elements and minor adjustment to non-spring loaded elements.

CODE	HEAD EXTENSION
1	(NO EXTENSION, 0 "A" LENGTH)
2	NIPPLE
3	NIPPLE/UNION
4	NIPPLE/UNION/NIPPLE

CODE	CONDUIT OPENING
	1/2 or 3/4NPT

CODE	ELEMENT LENGTH
	(IN INCHES)

CODE	TUBE OPENING
	1/2 or 3/4NPT

CODE	ELEMENT EXTENSION
B.H.	BELOW HEAD (TYPE 1)
B.N.	BELOW NIPPLE (TYPE 2 & 4)
B.U.	BELOW UNION (TYPE 3)

CODE	"A" LENGTH
	IN INCHES

4 AE 3/4 - 1/2 - 4 - D 14 PT5 LT - 4W - CLA - 12 B.N.

CODE	STRUCTURE
	SINGLE (LEAVE BLANK)
D	DUPLEX

CODE	SHEATH DIAMETER
316	3/16" (.187)
14	1/4" (.25")

CODE	ACCURACY
	ASTM E1137 CLASS B (LEAVE BLANK)
CLA	ASTM E1137 CLASS A

CODE	ELEMENT TYPE			
	STANDARD	MATERIAL	TCR	RESISTANCE @ 0° C.
	DIN 43760	PLATINUM	.00385	100 OHMS (LEAVE BLANK)
PT5	DIN 43760	PLATINUM	.00385	500 OHMS
PT1	DIN 43760	PLATINUM	.00385	1000 OHMS (LT RANGE ONLY)
JIS	JIS-C-1604-81	PLATINUM	.003916	100 OHMS
SA	RC21-4-1966	PLATINUM	.003923	98,129 OHMS
CU		COPPER	.00427	10 OHMS (LT RANGE ONLY)
NI		NICKEL	.00672	120 OHMS

CODE	SYSTEM
2W	2 WIRE (4 WIRE TOTAL WITH DUPLEX) 3 WIRE (LEAVE BLANK)
4W	4 WIRE (8 TOTAL WITH DUPLEX)

CODE	TEMPERATURE RANGE
LT	-58 to +500° F (-50 to +260° C.)
MT	-58 to +900° F (-50 to +482° C.)
	-292 to +932° F (-180 to +500° C) (LEAVE BLANK)
HT	-292 to +1202° F (-180 to +650° C) (NOTE 4)

Notes:

- (1) Standard Nipples - Steel, Schedule 40. Standard Unions - Black Malleable Iron, 150#. OPTIONAL STAINLESS STEEL Nipples - 304 or 316 Stainless Steel, Schedule 40 or 80. Unions - 304 or 316 Stainless Steel. Example Ordering Code: 4AE 3/4 1/2 6(R or R80).
- (2) Rated NEC class 1, Groups B, C and D.
- (3) ATEX approved EEx d IIC, T6.
- (4) Standard in single construction, 3 wire, class B, Inconel sheath material.
- (5) For an item that does not fall within the catalog description an (SP) can be added to the ordering code as part of a custom construction.



SECTION INRD

ASSEMBLIES LESS THERMOWELLS

TEMPERATURE MEASUREMENT DESIGNER'S GUIDE
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