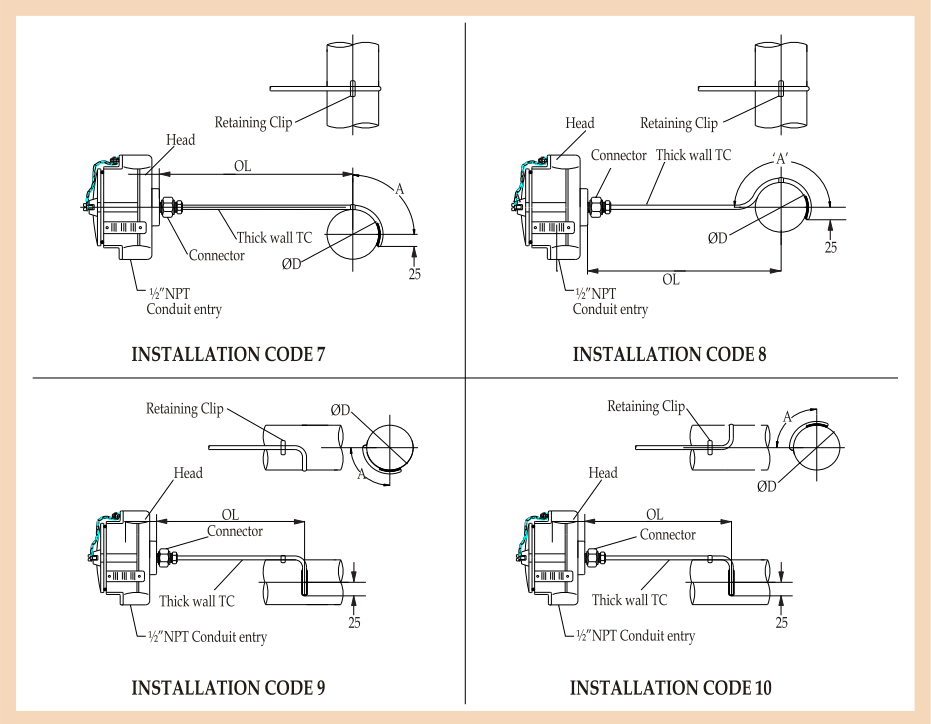
Wedge Shaped (Knife Edge) Skin Thermocouples

820# Series



820# Series

Wedge Shaped (Knife Edge) Skin Thermocouples

- Almost accurate temperature measurements of :
  Fired Heater tubes
  Boiler Tubes
  Reformer tubes
- Thick wall for longer usage life.
- Grounded hot junction in a "Wedge Shaped" tip for direct welding to tube surface.
- Certified for use in hazardous area.
- Hot end designed tow rap round the tube.
- Many Thermocouple Types and Sheath materials to choose from.

Code	No of Elements
1	Simplex
2	Duplex

Code	Elements
J	Iron-Constantan
K	Chromel-Alumel
E	Chromel-Constanton
N	Nicrosil Nisil

Code	Sheath Dia	Nominal wire gauge	
		(S)	(D)
12.7	12.7mm	14AWG	16AWG
10.0	10.0mm	16AWG	18AWG

Code	Sheath Material
446	446SS
310	310SS
Inc 6	Inconel 600
Inc 8	Incoloy 800

Code	Head Type
D	Weatherproof
F	Flameproof IIA/IIB
C	Flameproof IIC
JB	Junction Box

Code	No of Entries
1	One entry
2	Two entries

Code	Options
0	None
1	Head in 304SS
2	Head in 316SS
5	Other Conduit entry
6	In Head Transmitter
7	Brass Cable Gland
8	SS Cable Gland
10	Special requiprement
31	Spring loaded cover
32	UnGrounded junction

Code	Tube OD
D	Define

Code	Overall Length
OL	Define OL=U+T+95

Code	Expansion Loop
N	None

Code	Installation Type
7	Perpendicular to tube axis & with wrap around angle A=90°
8	Perpendicular to tube axis & with wrap around angle A=180°
9	Axial with tube with wrap around angle A=90° on right side of tube
10	Axial with tube with wrap around angle A=90° on left side of tube

ORDERING EXAMPLE

820# SERIES 1-K-12.7-446-D-1-8-N-OL-D-Op0

INDIA
PYRO ELECTRIC INSTRUMENTS GOA PVT. LTD.
G/B, Hill Crown, College Road, Mapuca - Goa 403 507 India.
Tel : +91 832 2252719/2264391, Fax : +91 832 2263294, Email : marketing@pyro-electric.in

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