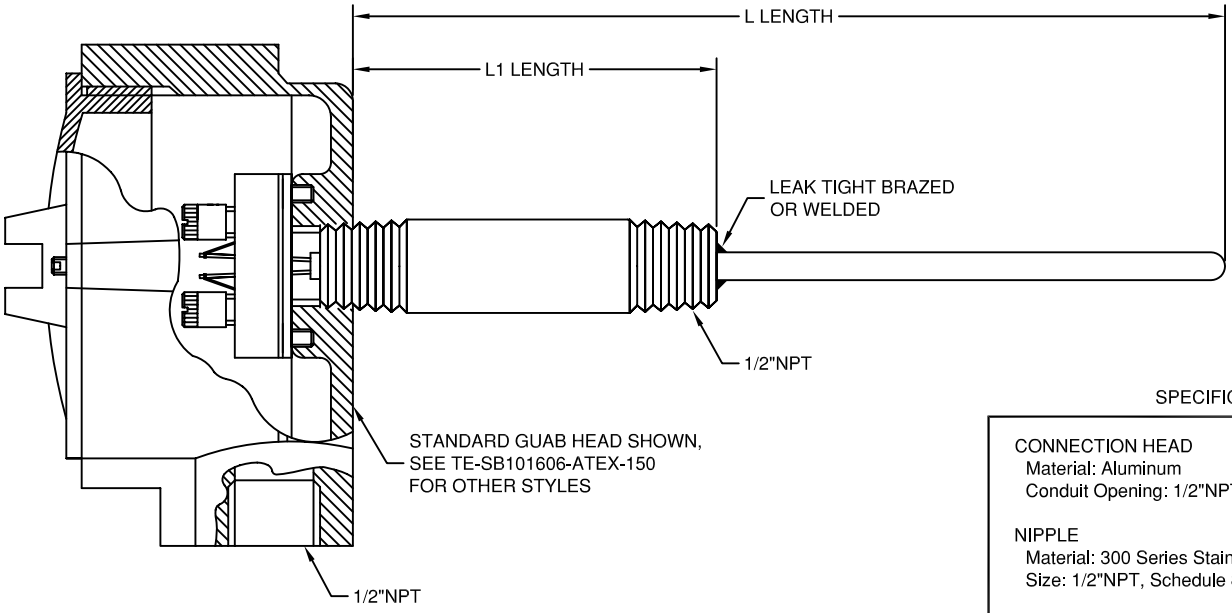
ATEX APPROVED THERMOCOUPLES & RTD's



SPECIFICATIONS

CONNECTION HEAD
- Material: Aluminum
- Conduit Opening: 1/2"NPT

NIPPLE
- Material: 300 Series Stainless Steel
- Size: 1/2"NPT, Schedule 80

THERMOCOUPLE ELEMENT
- Sheath Material: As Coded
- Insulation: MgO
- Initial Calibration Tolerance: Standard
- Termination: DIN Style Terminal Block, 2 or 4 Posts, Spring Loaded

RTD ELEMENT
- Sheath Material: 316 Stn. Stl.
- Insulation: MgO
- Accuracy: ASTM E1137 Class B
- Termination: DIN Style Terminal Block, 3 or 6 Posts, Spring Loaded

CONTACT THERMO ELECTRIC FOR OTHER VARIATIONS NOT SHOWN

Ordering Code

C ☐ A D F – 3 – 1 – ☐ – ☐ – ☐ ☐ ☐ ☐ – ☐

CODE	TYPE OF ELEMENT
S	RTD
T	THERMOCOUPLE

CODE	L LENGTH
	(IN INCHES)

CODE	HEAD STYLE
GUAB	SINGLE CONDUIT
GUAD	DUAL CONDUIT
GUAM	DUAL CONDUIT
GUAW	THREE CONDUIT
SB	SINGLE CONDUIT
SD	DUAL CONDUIT
GUJP	SINGLE CONDUIT

CODE	SHEATH MATERIAL
	OMIT FOR RTD'S*
P	304 STN. STL.
Q	310 STN. STL.
R	316 STN. STL.
J	INCONEL 600

*Standard in 316 SS only

CODE	LI LENGTH
	(IN INCHES)

CODE	MEASURING JUNCTION
	OMIT FOR RTD'S
U	SINGLE UNGROUNDED
DU	DUPLEX UNGROUNDED

Grounded thermocouples not permitted

CODE	ELEMENT CONSTRUCTION
RTD	SINGLE RTD
DRTD	DUPLEX RTD
A	SINGLE THERMOCOUPLE
AD	DUPLEX THERMOCOUPLE

CODE	CALIBRATION
	OMIT FOR RTD'S
	(J, K, T, E, N)

CODE	DIAMETER OF ELEMENT
18	1/8" (.125)*
316	3/16" (.187)
14	1/4" (.25)

*Not Available in Duplex RTD

Example Ordering Code
CTADF-3-1-GUAB-4-ADSL14KDUJ-36

These sensors are manufactured in compliance with the European Directive 94/09/EC and with the EN50014 and EN50018 applicable standards. They are meant to be used in hazardous locations.

This equipment is used in potentially explosive atmospheres other than mines or those parts of surface installations of such mines endangered by firedamp and or combustible dusts.

This type of protection is flame proof type "d" according to EN50014 and EN50018.

The maximum surface temperature class is T4 to T6.

Assemblies are suitable for gas group IIC.

Internal free volume from 150cm3 to 1200cm3 according to the type of head.

This equipment is suitable for installation in the following areas:
- Group II, Category 2, Zone 1 and 21
- Group II, Category 3, Zone 2 and 22

IDENTIFICATION LABEL

"DO NOT OPEN WHILE ENERGIZED"
"DO NOT OPEN IN EXPLOSIVE ATMOSPHERE"
THERMO ELECTRIC CO., INC.
Totowa NJ USA
TYPE: MODEL:
NO.: DATE:
CE 0081 Ex II 2 G/D
EEx d IIC T6 IP65 T=85°C
LCIE 05 ATEX 6105 X

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