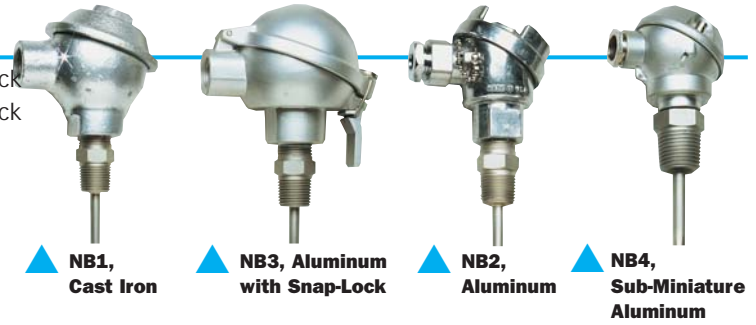


Industrial Thermocouples

- NB1 Cast Iron Protection Head with Internal Terminal Block
- NB2 Miniature Aluminum Head with Internal Terminal Block
- NB3 Aluminum Head with Convenient Snap-Lock Design and Internal Terminal Block
- NB4 Sub-Miniature Aluminum Head with Internal Terminal Block
- 1/2" NPT Mounting Thread
- 12" Length Standard



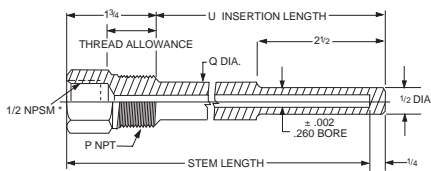
Ordering Information 12" Lengths (Specify Model Number)

Thermocouple Alloy	Sheath Diameter	Grounded Junction	Price	Ungrounded Junction	Price	Exposed Junction	Price	Price Add'l Ft
Iron-Constantan J	1/16"	NB(*)-ICSS-116G-12/N		NB(*)-ICSS-116U-12/N		NB(*)-ICSS-116E-12/N		
	1/8"	NB(*)-ICSS-18G-12/N		NB(*)-ICSS-18U-12/N		NB(*)-ICSS-18E-12/N		
	3/16"	NB(*)-ICSS-316G-12/N		NB(*)-ICSS-316U-12/N		NB(*)-ICSS-316E-12/N		
	1/4"	NB(*)-ICSS-14G-12/N		NB(*)-ICSS-14U-12/N		NB(*)-ICSS-14E-12/N		
Chromel-Alumel K	1/16"	NB(*)-CASS-116G-12/N		NB(*)-CASS-116U-12/N		NB(*)-CASS-116E-12/N		
	1/8"	NB(*)-CASS-18G-12/N		NB(*)-CASS-18U-12/N		NB(*)-CASS-18E-12/N		
	3/16"	NB(*)-CASS-316G-12/N		NB(*)-CASS-316U-12/N		NB(*)-CASS-316E-12/N		
	1/4"	NB(*)-CASS-14G-12/N		NB(*)-CASS-14U-12/N		NB(*)-CASS-14E-12/N		
Chromel-Constantan E	1/16"	NB(*)-CXSS-116G-12/N		NB(*)-CXSS-116U-12/N		NB(*)-CXSS-116E-12/N		
	1/8"	NB(*)-CXSS-18G-12/N		NB(*)-CXSS-18U-12/N		NB(*)-CXSS-18E-12/N		
	3/16"	NB(*)-CXSS-316G-12/N		NB(*)-CXSS-316U-12/N		NB(*)-CXSS-316E-12/N		
	1/4"	NB(*)-CXSS-14G-12/N		NB(*)-CXSS-14U-12/N		NB(*)-CXSS-14E-12/N		
Copper-Constantan T	1/16"	NB(*)-CPSS-116G-12/N		NB(*)-CPSS-116U-12/N		NB(*)-CPSS-116E-12/N		
	1/8"	NB(*)-CPSS-18G-12/N		NB(*)-CPSS-18U-12/N		NB(*)-CPSS-18E-12/N		
	3/16"	NB(*)-CPSS-316G-12/N		NB(*)-CPSS-316U-12/N		NB(*)-CPSS-316E-12/N		
	1/4"	NB(*)-CPSS-14G-12/N		NB(*)-CPSS-14U-12/N		NB(*)-CPSS-14E-12/N		

NOTE: *Insert the number 1, 2, 3, or 4 for NB1, NB2, NB3, and NB4 heads, respectively. To order probes with lengths other than 12", change the last two digits of the model number from "12" to the desired length in inches.

Standard Threaded Well for 1/4" Diameter Elements

Series 260S—General Use



All dimensions are in inches.

* NPSM internal pipe thread will accept both NPT and NPS male threads.

To Order:

- Insert material type 304, 316, CS or CB in the box

Ordering Information (Specify Model Number)

External Thread (P)	Model Number	Stem Lgth. (A)	Insert. Lgth. (U)	Shank Dia. (Q)	Materials and Prices			
					Stainless Steel (304)	Stainless Steel (316)	Steel (CS)	Carbon Brass (CB)
1/2" NPT	1/2-260S-U2 1/2 □	4	2 1/2	—				
	-U4 1/2 □	6	4 1/2	5/8				
	-U7 1/2 □	9	7 1/2	5/8				
	-U10 1/2 □	12	10 1/2	5/8				
	-U13 1/2 □	15	13 1/2	5/8				
	-U16 1/2 □	18	16 1/2	5/8				
	-U22 1/2 □	24	22 1/2	5/8				
3/4" NPT	3/4-260S-U2 1/2 □	4	2 1/2	—				
	-U4 1/2 □	6	4 1/2	3/4				
	-U7 1/2 □	9	7 1/2	3/4				
	-U10 1/2 □	12	10 1/2	3/4				
	-U13 1/2 □	15	13 1/2	3/4				
	-U16 1/2 □	18	16 1/2	3/4				
	-U22 1/2 □	24	22 1/2	3/4				
1" NPT	1-260S-U2 1/2 □	4	2 1/2	—				
	-U4 1/2 □	6	4 1/2	7/8				
	-U7 1/2 □	9	7 1/2	7/8				
	-U10 1/2 □	12	10 1/2	7/8				
	-U13 1/2 □	15	13 1/2	7/8				
	-U16 1/2 □	18	16 1/2	3/4				
	-U22 1/2 □	24	22 1/2	7/8				

Transcat Industrial RTDs

- 100-Ohm Platinum, DIN Calibration (.00385)
- 1/4" Sheath Diameter, 3-Wire Construction
- Class "A" Bulb
- Stainless Steel Sheath
- High Stability and Repeatability

These 100-ohm Pt RTDs provide near-lab-grade performance over a range of -50 to 1400°F. They are electrically and mechanically stable, resistant to contamination, and offer low drift and error, even with age and use. Three-wire configuration with a 1/4" sheath diameter is standard. To order, select termination type and length.

Ordering Information

To Order—Insert Number Code for each letter to select catalog number
 Ordering Example: 86LDS18 is an RTD with 36" leads and a length of 18

A		B	
A	Termination	Description	Price
	MP86MF	Male and Female Connectors	
	MP86LDS	Transition with 36" Leads	
	MP86AH	Aluminum Screw Cover Head	
	MP86SS-12	Aluminum Head with Process Fitting	
B	Length ("L" Dimension)		
	Length in inches** Each Additional 6" or part of		

**Note: RTD probes standard length = 12"



MALE & FEMALE – MODEL #86MF

▲ **86MF**



TRANSITION – MODEL #86LDS

▲ **86LDS**



ALUMINUM HEAD – MODEL #86AH

▲ **86AH**



ALUMINUM HEAD W/PROCESS FITTING – MODEL #86SS
 Welded Fitting 1/2" NPT SS

▲ **86SS**

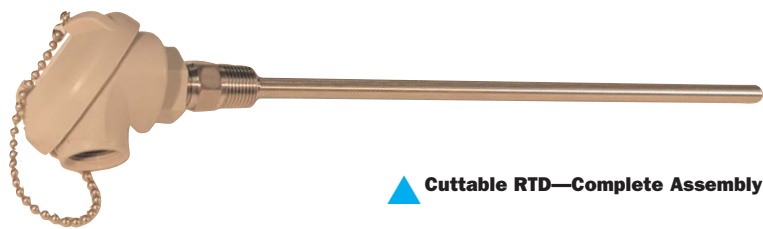
Transcat Cuttable RTDs

Widely used in the gas and other industries. Its advantage is that a standard unit can be cut and used in any length from 3 to 24"! Determine the length you need from the hot end, use a tubing cutter to score the sheath, and then snap it. Trim the wires and mount the sensor in the head or thermowell. It's fast and simple!

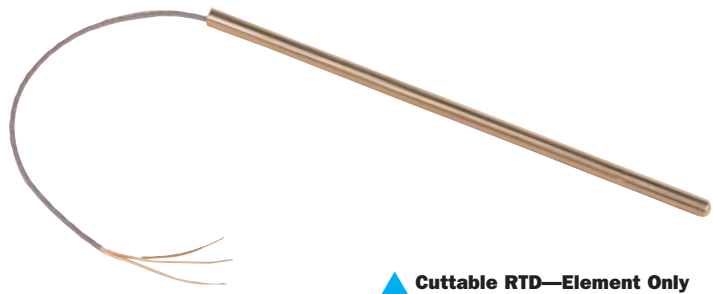
If you already use cuttable RTDs, this 1/4"-diameter sensor should fit your existing hardware. If this is a new installation, you'll need to buy the plastic head (which includes connection terminals) and the spring-loaded fitting. All you'll have to do in the future is order replacement sensors; in fact, many customers stock a ready supply to eliminate downtime situations. Our standard unit is 3-wire, 100-ohm Pt385, 24" long. Maximum temperature for the unit is 400°F. Other configurations and lengths are available; call us with your requirements.

Ordering Information

Order #	Mfg #	Description	Price
MP21031RTD	86-100-A8T24-CUTTABLE	24" Cuttable RTD	
MP21031RTD-1	SL-27Spring	Loaded Fitting Kit	
MP21031RTD-2	SHI-27	Plastic Head for 21031RTD	



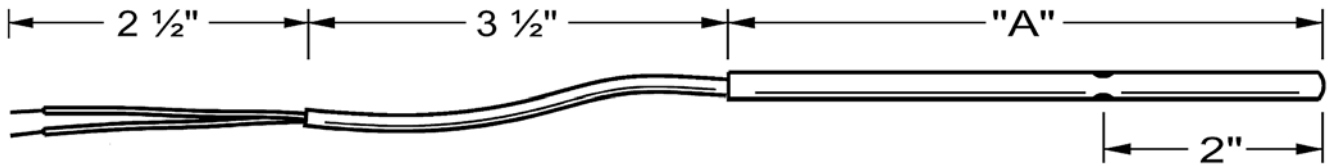
▲ **Cuttable RTD—Complete Assembly**



▲ **Cuttable RTD—Element Only**

NEW Transcat Cuttable Thermocouples

Widely used in many industries. You can customize these assemblies to the exact length you need. Probes are constructed using 1/4" OD type 304 Stainless Steel sheath, 24" long with 6" wire leads and a 2" sensing tip. The advantages are that a standard unit can be cut with a pipe cutter and used in any length from 2" to 24". Maximum Temperatures; Teflon insulated 400°F, Fiberglass insulated up to 900° F, high-temp fiberglass 1300°F.



Probes - Thermocouples: from type J (min temp 32°F), type K (min temp 32°F), and type T (min temp -330°F, max temp 500°F). Teflon insulated (max temp 400°F) or Fiberglass insulated (max temp 900° F).

Ordering Information

Element T/C Type	Teflon Insulation Order #	Price	Fiberglass insulation Order #	Price	High-Temp Fiberglass Insulation Order #	Price
Type J	MP4F-J-I-24-TT		MP4F-J-I-24-TG		MP4F-J-I-24-HG	
Type K	MP4F-K-I-24-TT		MP4F-K-I-24-TG		MP4F-K-I-24-HG	
Type T	MP4F-T-I-24-TT		MP4F-T-I-24-TG			

Recommended Optional Accessories

Heads-Connections (NPT Female); 1/2" Process, 3/4" Conduit	Order #	Price Each	Terminal Blocks	Order #	Price Each
Cast Iron	MP5HB27		For Thermocouple	MP5WB	
Cast Aluminum	MP5HW27		For RTD	MP5WTB-3	
Type 316 SS	MP5HSS27				
Hazardous Location Cast Iron	MP5EWX27CI		Spring loaded fitting- Connections (NPT Male); 1/2"		
FDA approved White Plastic	MP5HPF27		Standard	MP5SL27-8	

Note: A complete unit would require a Thermocouple or RTD element, a head, a spring loaded fitting and a terminal block

Temperature Test Instruments

G

NEW Transcat Head Mounted Transmitter

FlexTop is a 4 to 20mA loop powered transmitter with Galvanic isolation

Between input and output. FlexTop ISO incorporates its own signal inputs: A millivolt input for T/C sensors and a resistance input for RTD sensors. It can also be used for linear resistance, current and voltage measurement.

Either 2,3 or 4-wire connection can be selected for the resistance input. The built in temperature sensor or a remote Pt100 sensor can be used to compensate for "cold junction" (CJC) if thermocouples are connected.

- FlexTop is Embedded in Silicone, which makes it Resistant to Humid Environments.
- Separate Test Terminals where a Multimeter can be Connected for Measuring the Loop Current without Breaking the Loop
- 10 mm Center Hole for Fast Sensor Replacement
- Spring Loaded Mounting Screws

The HART communication features:

- Online Process Calibration and Adjustment
- Transmitter Configuration and Multiple Process Control in Two Wire Networks.



▲ FlexTop

Ordering Information

Order #	Mfg #	Description	Price
MPFlex2201	Flex2201	RTD Transmitter	
MPFlexISO	FlexISO	Universal Temperature Transmitter	
MPFlexHRT	FlexHRT	Universal Temperature Transmitter with HART	
MP82-23-903	82-23-903	Flex Programmer	