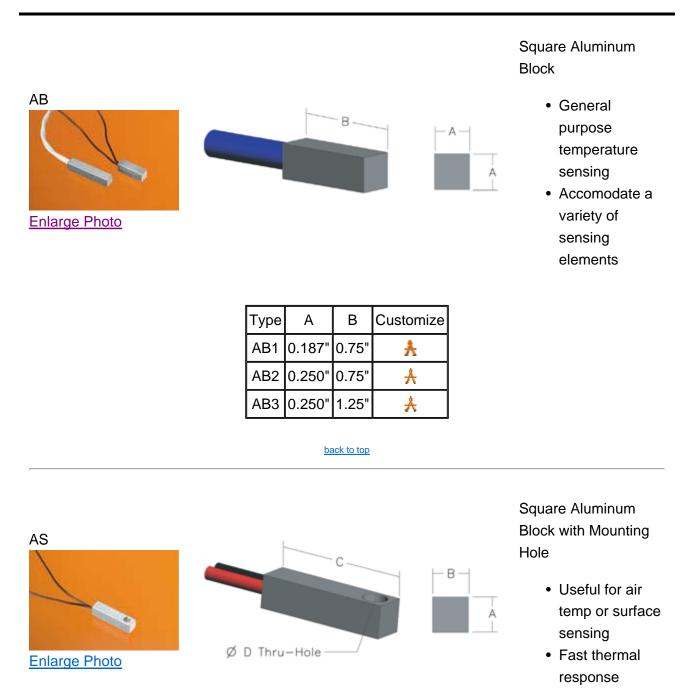


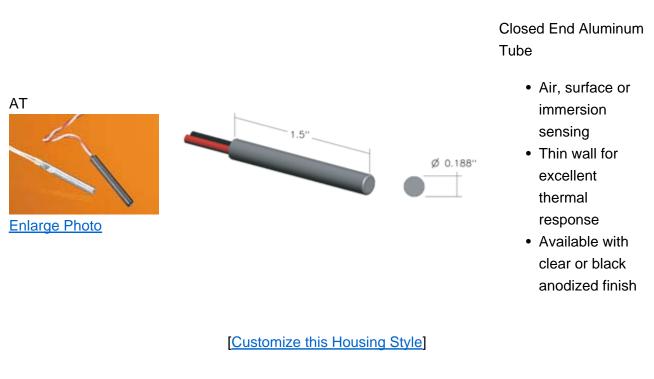
A Spectrum Control Business

## **Housing Styles**

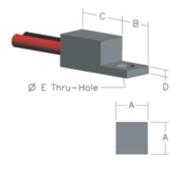


Туре	А	В	С	D	Customize
AS1	0.250"	0.250"	1.0"	0.142"	Å
AS2	0.250"	0.75"	1.0"	0.189"	Å
AS3	0.125"	1.25"	0.75"	0.125"	ŕ









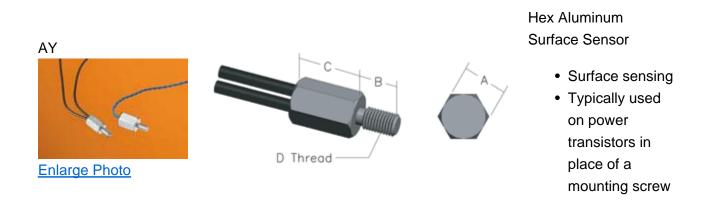
Square Aluminum Surface Sensor

- Useful for air temp or surface sensing
- Rugged housing with good thermal properties
- · Easy to mount
- Shape allows for good

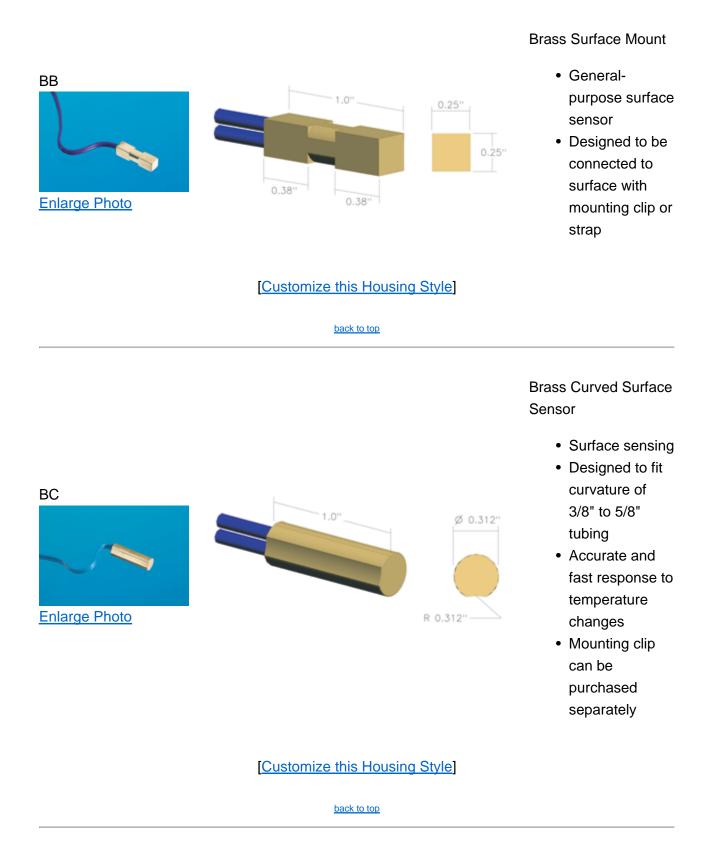
thermal contact to flat surfaces

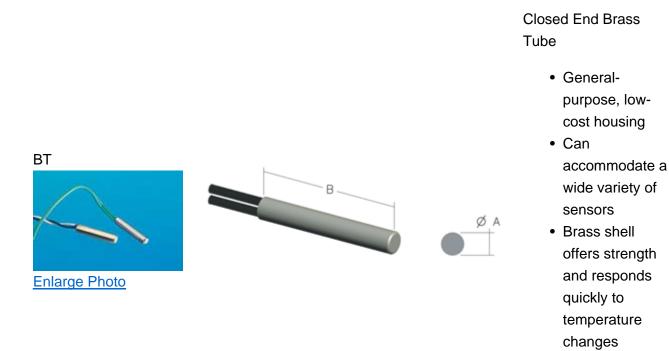
Туре	A	В	С	D	E	Customize
AX1	0.250"	0.400"	0.85"	0.115"	0.172"	Å
AX2	0.250"	0.265"	0.400"	0.062"	0.147"	Å
AX3	0.250"	0.265"	0.625"	0.062"	0.147"	¥
AX4	0.250"	0.265"	0.735"	0.062"	0.147"	¥
AX5	0.312"	0.350"	0.400"	0.062"	0.147"	¥
AX6	0.312"	0.475"	0.400"	0.062"	0.203"	¥

back to top



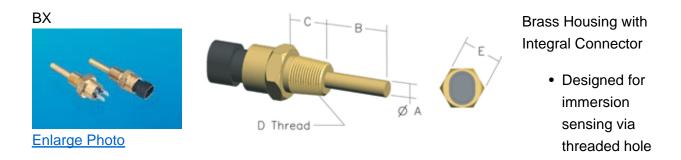
Туре	А	В	С	D	Customize
AY1	0.250"	0.250"	0.400"	6-32	¥
AY2	0.312"	0.250"	0.400"	6-32	¥
AY3	0.312"	0.375"	0.75"	8-32	¥





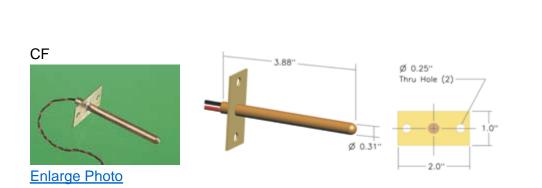
 Available as nickel-plated or with no plating

Туре	Plating	А	В	Customize
BT1	Nickel	0.185"	1.25"	A
BT2	Nickel	0.200"	1.25"	Å
BT3	Nickel	0.231"	1.25"	٨
BT4	Nickel	0.250"	1.75"	Å
BT5	None	0.250"	1.75"	¥
BT6	Nickel	0.375"	1.75"	A



- Integral connectors allow for compact size
- Mating cable assembly can also be provided
- Options include other connector types

Туре	А	В	С	D	Е	Customize
BX1	0.250"	1.0"	0.620"	1/4-18 NPT	3/4"	٨
BX2	0.188"	0.75"	0.400"	1/8-27 NPT	7/8"	Å

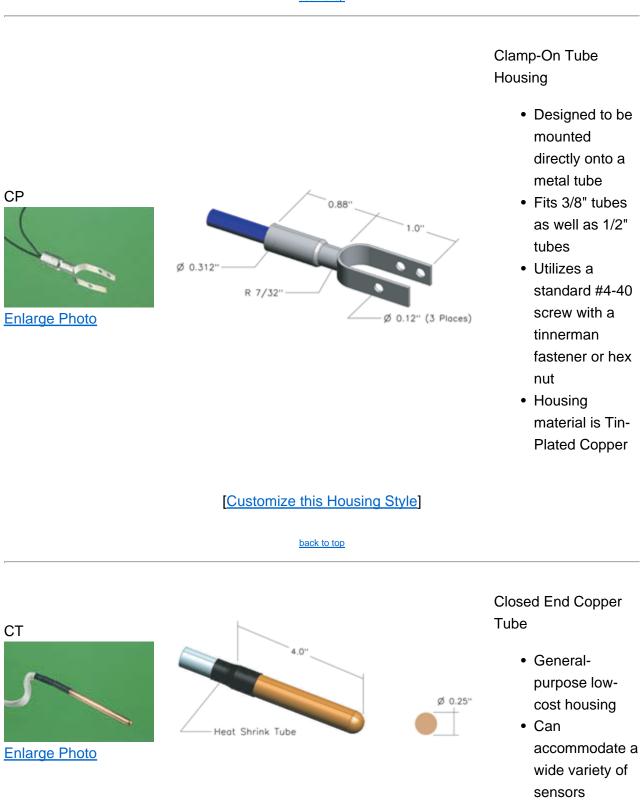


# Copper Tube with Flange

- Generalpurpose housing used primarily for air sensing
- Rugged copper tube construction with brass flange
- Length from flange bottom to housing tip is 3.4" (TYP)

#### Customize this Housing Style

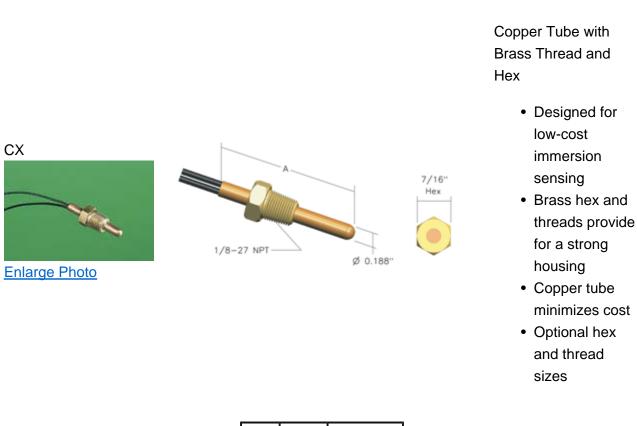




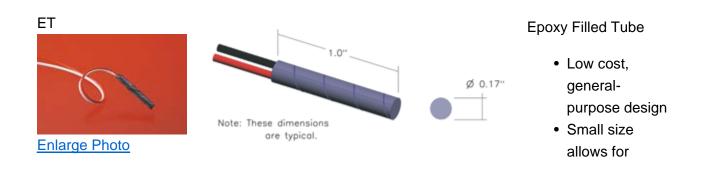
 Heat shrink tube is optional

## Customize this Housing Style

#### back to top



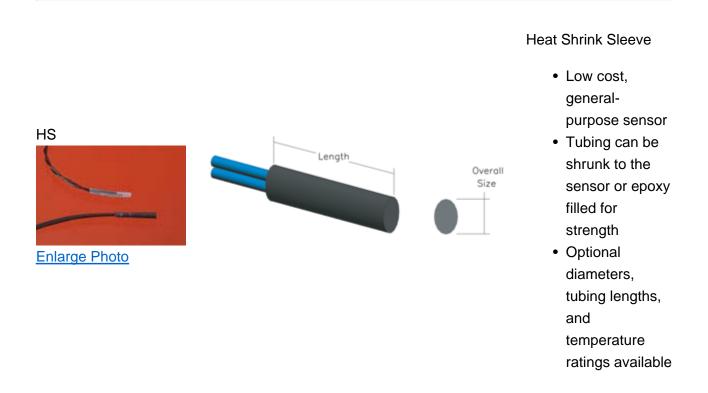
Туре	А	Customize
CX1	0.138"	¥
CX2	9.0"	÷



sensing in close areas such as motor windings

- Useful in areas where metal shell is not feasible
- Available in various sizes and materials according to sensor size and temperature specifications
- Can be assembled as a moisture resistant unit

## Customize this Housing Style



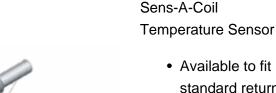
MC

Enlarge Photo

 Can be assembled as a moisture resistant unit

## Customize this Housing Style

back to top



AWG #22, PVC Jocketed Coble 10 ft. length

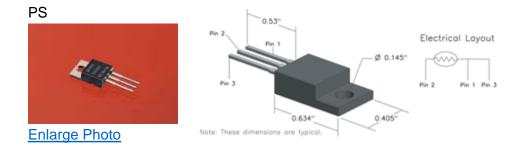
- standard return bends to 3/8" coil tubing
- Easy installation
  just snaps on
- Excellent thermal tracking



0.845

Customize this Housing Style

back to top



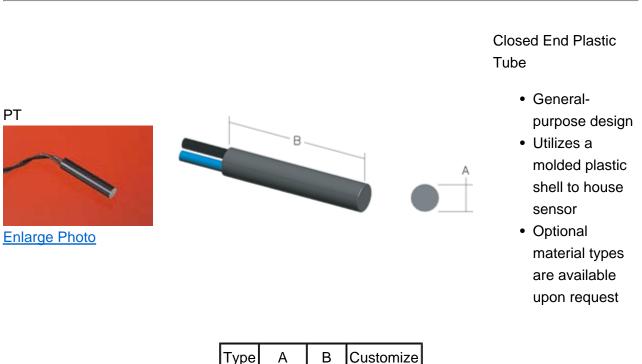
TO220 Plastic Surface Sensor

- Utilizes industry standard TO-220 package
- Ideal for automated assembly processes
- Can be used as a through-hole device or

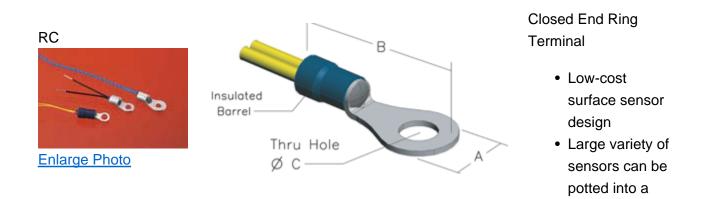
mounted to a heat sink

#### Customize this Housing Style

#### back to top



Туре	А	В	Customize
PT1	0.150"	1.0"	¥
PT2	0.250"	0.75"	٨
PT3	0.250"	2.0"	¥
PT4	0.280"	1.5"	¥

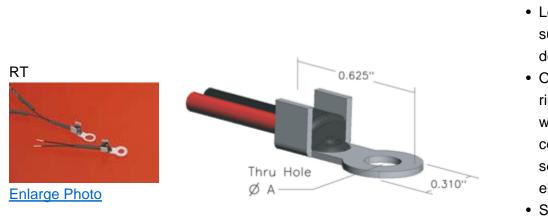


closed-end ring terminal

 Variety of barrel sizes and lengths available

Туре	Barrel	А	В	С	Customize
RC1	Short	0.285"	0.625"	#4 - #6	¥
RC2	Short	0.375"	0.78"	#6 - #10	¥
RC3	Short	0.530"	1.0"	5/16"	¥
RC4	Insulated	0.250"	0.80"	#6	¥
RC5	Long	0.406"	1.5"	#10	¥
RC6	Long	0.500"	1.75"	1/4"	¥

back to top



## Open End Ring Terminal

- Low-cost surface sensor design
- Open ended ring terminal with epoxy that contains the sensing element
- Sensor is normally electrically isolated from the ring terminal

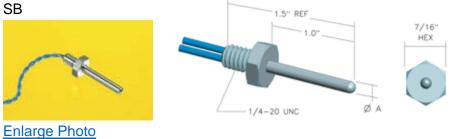
Туре	А	Customize
RT1	#6	A
RT2	#10	٨



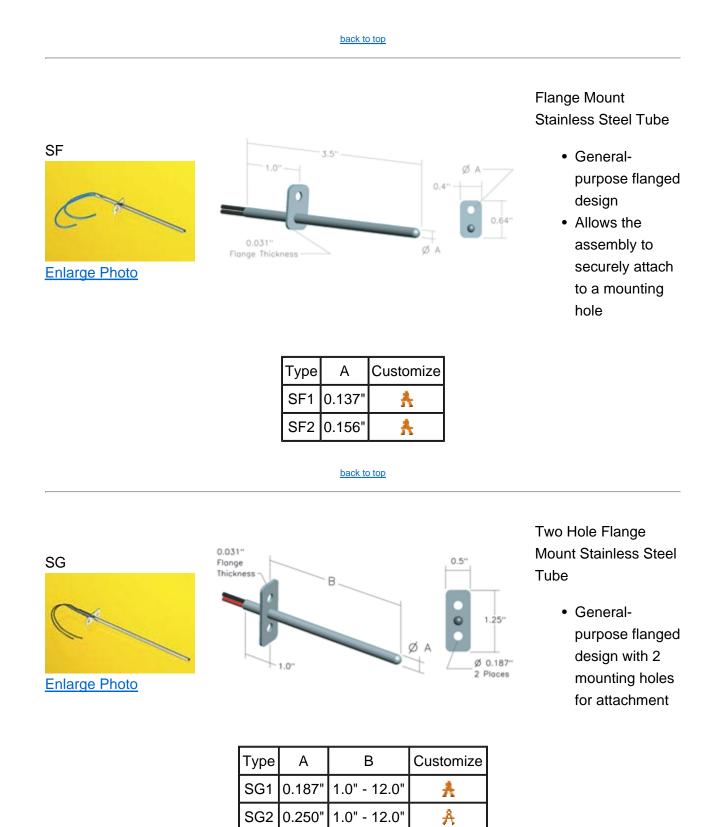


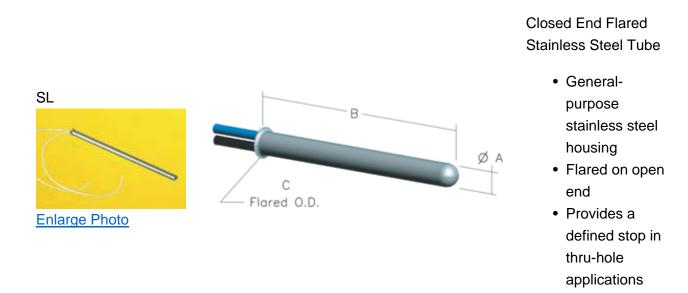


 Stainless steel housing with threads on backside of hex

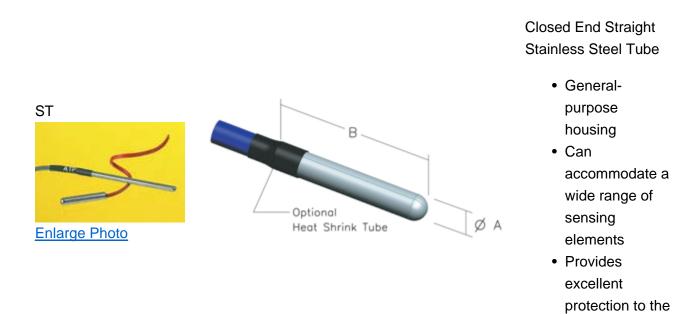


Туре	А	Customize
SB1	0.125"	Å
SB2	0.156"	A





Туре	А	В	С	Customize
SL1	0.187"	1.0" -	0.250"	¥
		12.0" 1.0"		
SL2	0.250"	- 12.0"	0.288"	¥



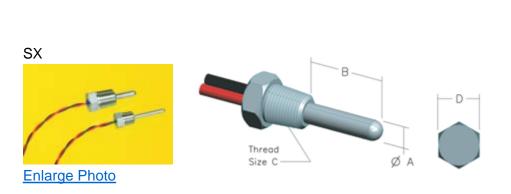
sensing

element from various environmental conditions

- Wide range of wall thicknesses
- Various grades of stainless steel
- Tubing can be altered/bent for retention purposes in a thermowell

Туре	А	В	Customize
ST1	0.125"	0.5" - 6.0"	Å
ST2	0.156"	1.0" - 9.0"	¥
ST3	0.187"	1.0" - 12.0"	¥
ST4	0.205"	1.0" - 12.0"	¥
ST5	0.250"	1.0" - 12.0"	¥
ST6	0.375"	1.0" - 12.0"	¥

back to top



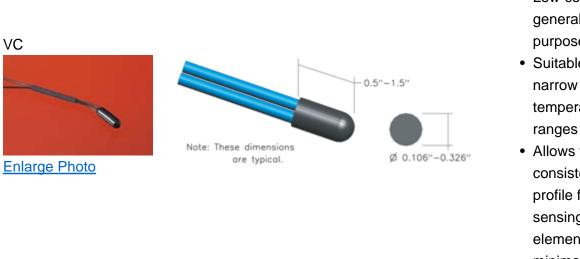
Stainless Steel Hex Head Pipe Plug with Closed End Tube

- Designed primarily as an immersion type sensor
- Available in a wide variety of hex sizes,

threads, and lengths

Туре	А	В	С	D	Customize
SX1	0.125"	0.5" - 6.0"	1/8 - 27 NPT	7/16"	¥
SX2	0.156"	1.0" - 9.0"	1/8 - 27 NPT	7/16"	¥
SX3	0.187"	1.0" - 12.0"	1/8 - 27 NPT	7/16"	A
SX4	0.250"	1.0" - 12.0"	1/8 - 27 NPT	7/16"	¥
SX5	0.125"	0.5" - 3.0"	1/4 - 18 NPT	9/16"	Å
SX6	0.156"	1.0" - 9.0"	1/4 - 18 NPT	9/16"	٨
SX7	0.187"	1.0" - 12.0"	1/4 - 18 NPT	9/16"	٨
SX8	0.250"	1.0" - 12.0"	1/4 - 18 NPT	9/16"	Å

back to top



#### Closed End Vinyl Cap

• Low-cost, general-

purpose design

• Suitable for narrow temperature

on response time

- Useful where the sensing unit needs protection from its environment, but not the strength of a metal shell
   Additional
- standard diameters and lengths available upon request

#### [Customize this Housing Style]

#### back to top

Advanced Thermal Products Operations 328 State Street St. Marys, PA 15857 # 814-834-1541 8 814-834-1556

**Precision Inertial Products Operations** 

2236 N. Cleveland-Massillon Road Akron, OH 44333 330-659-3312 
330-659-3298

Copyright © 2011 API Technologies Corp. All Rights Reserved

Precision Position Products Operations 424 Crown Point Circle Grass Valley, CA 95945 7530-273-4608 3530-273-0769