




Strip Sensing Thermal-Ribbons™

Overview

These models average temperatures along their length to eliminate point measurement errors. Wrap them around cylinders or adhere them to flat surfaces.

Specifications

Dimensions W x L x T _{max}	Element options	Insulation	Temperature range	Lead-wires	Time constant*	Features	Model
0.50 x 1.25 x 0.050" (12.7 x 31.8 x 1.3 mm) 	PA, PE, CA, NA	Polyimide	-73 to 200°C -100 to 392°F	AWG 26, PTFE insulated	0.17 sec.	Easy motor installations	S3238
0.375 x 4.00 x 0.075" (9.5 x 101.6 x 1.9 mm) 	PB22	Silicone rubber w/ polyimide backing	-62 to 220°C -80 to 428°F		0.6 sec.	Platinum PD accuracy	S34
	PD12 PE22						S386
0.375 x 4.00 x 0.065" (9.5 x 101.6 x 1.7 mm) 	FA	Polyimide	-200 to 200°C -328 to 392°F		0.2 sec.	Wire-wound nickel-iron for high resistance, thin element	S35
	FA	Mylar	-100 to 150°C -148 to 302°F	0.3 sec.	Wire-wound nickel-iron, low cost	S2	

Notes: T_{max} is measured over the lead bulge.

*Time constant is in water at 1 m/sec.

Refer to Sensing Elements Table on Page 10-4

Specification and order options

S34	Model number from table (except S3238)
PB22	Sensing element from table
Y	Number of leads: Y = 2 leads Z = 3 leads (required on CA) X = 4 leads (PD only)
36	Lead length in inches: 36" stocked (42" on S2)
A	Adhesive backing: A = No adhesive B = Pressure-sensitive adhesive (PSA)
S34PB22Y36A = Sample part number	

Notes: PSA reduces temperature range to -20 to 177°C (-4 to 350°F) and adds 0.005" (0.1 mm) to thickness.

Model S3238

Model S3238 is specially designed to sense **stator** temperatures in motors and generators. An alternative to the "stick" sensors, the S3238 mounts on the end turns of stator windings and provides an easy way to add overtemperature protection when the stator is not being rewound.

S3238 specification and order options

S3238	Model number S3238
PA	Sensing element from table
Y	Number of leads: Y = 2 leads (not available on CA) Z = 3 leads X = 4 leads
T	Lead insulation: T = PTFE K = polyimide TS = SS braid over PTFE
36	Lead length in inches: 36" stocked
U	Lead configuration: T = Twisted U = Untwisted
A	Adhesive backing: A = No adhesive B = Pressure-sensitive adhesive (PSA)
S3238PAYT36UA = Sample part number	



STOCKED PARTS AVAILABLE