

Economy Sensors

	Dimensions	Temperature range	Element options	Case material	Leadwire	Model
	2 leads: .050" x .065" x .035" thick (1.3 x 1.7 x .9 mm) Thin-Film with insulated leads 3 leads: .063" x .079" x .035" thick (1.6 x 2 x .9 mm) Thin-Film with insulated leads	-50 to 150°C (-58 to 302°F)	PD, PF	Ceramic	AWG 32 solid enamel insulated	S102404
	Ø .125" x .90" (Ø 3.2 x 22.9 mm)	-50 to 260°C (-58 to 500°F)	PD, PF, PW	Stainless steel	AWG 24, PTFE insulated	S102409
	Ø .125" x .90" (Ø 3.2 x 22.9 mm)	-50 to 155°C (-58 to 311°F)	PD, PF	Stainless steel	AWG 30, PTFE insulated	S102737
	Ø .140" x .40" (Ø 3.6 x 10.2 mm)	-70 to 500°C (-94 to 932°F)	PD, PF, PW	Ceramic	AWG 27, solid glass insulated nickel	S102410
	Ø .188" x .90" (Ø 4.8 x 22.9 mm)	-50 to 150°C (-58 to 302°F)	PD, PF, PW	Silicone rubber	AWG 24, silicone rubber insulated	S102406
	Ø .188" x 1.25" (Ø 4.8 x 31.8 mm)	-50 to 230°C (-58 to 446°F)	PD, PF, PW	PTFE	AWG 24, PTFE with PTFE jacket	S102405
	Ø .188" x 1.25" (Ø 4.8 x 31.8 mm)	-50 to 260°C (-58 to 500°F)	PD, PF, PW, NA	Aluminum	AWG 22, PTFE insulated	S102407
	Ø .188" x 2.38" (Ø 4.8 x 60.5 mm)	-70 to 550°C (-94 to 1022°F)	PD, PF, PW	Stainless steel	AWG 22, glass braid insulated	S102408

Overview

Economy sensors are designed to be a component of your final assembly. With insulated leads preattached and strain relieved, final construction is easy and reliable.

- Insulated leads of variable length, installed and strain relieved
- Wide temperature range
- Configurations to fit most applications
- Standard 100 Ω platinum, 1000 Ω platinum and 120 Ω nickel elements

Specifications

Insulation resistance: 10 megohms minimum at 100 VDC, leads to case.

Vibration: Withstands 10 to 2000 Hz at 20 G's minimum per MIL-STD-202. Method 204, test condition D.

Element specifications*	Code
Platinum (0.00385 TCR) 100 Ω ±0.12% at 0°C (EN60751, Class B)	PD
Platinum (0.00385 TCR) 1000 Ω ±0.12% at 0°C	PF
Platinum (0.00375 TCR) 1000 Ω ±0.12% at 0°C	PW
Nickel (0.00672 TCR) 120 Ω ±0.50% at 0°C	NA

* See descriptions for element options on each model.

Specification and order options

S102408	Model number from table
PD	Element code from table
3	Number of leads: 2 leads (not recommended for PD models) or 3 leads (only option for S102410PD)
G	Leadwire covering: E = Enamel (S102404) G = Glass (S102408 and S102410) R = Silicone rubber (S102406) T = PTFE (S102405, S102407, S102409, S102737)
40	Leadwire length in inches: 40" (1000 mm) standard
S102408PD3G40 = Sample part number	

Specify and order products at:
www.minco.com/sensors_config



STOCKED PARTS

Model #	Sensing Element	Case Material	# of Lead-wires	Lead Length	Lead Covering	Stock Part #
S102404	PD	Ceramic	2	40"	Enamel	S102404PD2E40
			3	40"	Enamel	S102404PD3E40
	PF	Ceramic	2	40"	Enamel	S102404PF2E40
			3	40"	Enamel	S102404PF3E40
S1012409	PD	Stainless Steel	3	40"	PTFE	S102409PD3T40

Note: Available up to 10 pieces or contact Minco Customer Service

Specifications subject to change